Samsung GALAXY S4 zoom™

S M A R T P H O N E

User Manual

Please read this manual before operating your device
and keep it for future reference.

SAMSUNG

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The online version of the **End User Licensing Agreement** for your device can be found online at: www.samsung.com/us/Legal/SamsungLegal-EULA1.

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Getting Started

Learn about your mobile device hardware, assembly procedures, and how to get started using your new device.

Front View

Earpiece

Infrared transmitter

Headset jack

Proximity and gesture sensors

Front camera

Power/Lock key

Volume

Menu key   Home key   Back key

- **Back key**: Tap to return to the previous screen, or to close a dialog box, menu, or keyboard.

- **Earpiece**: Listen to a call.

- **Front camera**: Take self-portraits and record videos of yourself.

- **Headset jack**: Connect an optional headset (not included).

- **Home key**: Press to return to the Home screen.

- **Infrared transmitter**: Controls external devices using infrared light.

- **Menu key**: Tap to display home screen options.

- **Power/Lock key**: Press and hold to turn the device on or off. Press to lock or wake up the screen. Press and hold to turn the device off or restart it, or for quick access to Airplane Mode, Emergency Mode, and Sound modes.

- **Proximity and gesture sensors**: Detects the presence of objects near the device.

- **Volume**: Press to adjust the volume of your device's sounds and audio.

Back View

Flash   Camera

Microphone

Shutter button

AF Assist light   Speaker

Microphone

USB charger/
Accessory port

Battery
compartment

SAMSUNG LENS

10x

Lanyard loop   Tripod mount   Camera mode/
Zoom ring

microSD card port   Lens cover
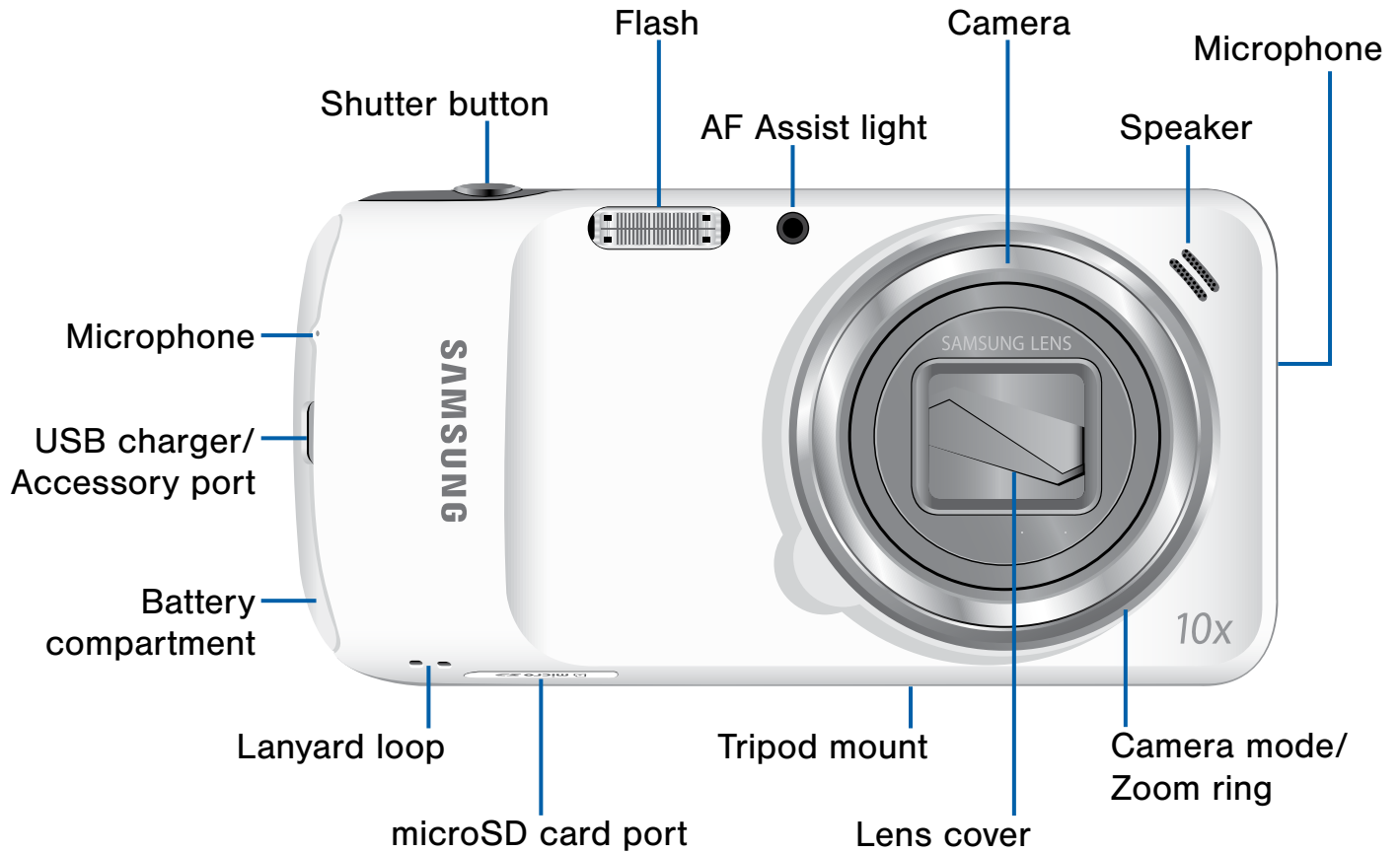
- **AF Assist light**: Used for focusing the camera when taking pictures in low-light conditions.

- **Battery compartment**: Houses the battery and SIM card slot.

- **Camera**: Take pictures and record videos.

- **Camera mode/Zoom ring**: When the camera is not activated, turn the ring to select a shooting mode. When the camera is activated, turn the ring to zoom in or out.

- **Flash**: Illuminate subjects in low-light environments when taking a photo or recording video.

- **Lanyard loop**: Attach a lanyard or hand strap.

- **Lens cover**: Protects the camera lens. The lens opens automatically when the camera is activated.

- **Microphone**: Records audio and detects voice commands.

- **microSD card port:** Install an optional microSD memory card here for additional storage.

- **Shutter button**: From a Home screen, press and hold to launch the camera. From the camera view finder screen, press to take pictures or record video.

- **Speaker**: Plays music and other sounds, and is used when the Speakerphone feature is turned on during calls.

- **Tripod mount**: Attach a camera tripod here (not included).

- **USB charger/Accessory port**: Connect the Charger/USB cable (included), and other optional accessories (not included).

Assemble Your Device

Prior to use, it is necessary to install the SIM card, optional memory card (not included), and the battery.

Open the Battery Compartment

► From the right-hand side of the camera, open the battery compartment by prying the cover loose on the right (1) and swinging it to the left (2).

Warning: Do not bend or twist the battery compartment cover excessively. Doing so may damage the cover.

Install the SIM Card

When you subscribe to a cellular network, you are provided with a plug-in SIM card. During activation, your SIM card will be loaded with your subscription details, such as your PIN, available optional services, and other features.

Warning: Please be careful when handling the SIM card to avoid damaging it. Keep all SIM cards out of reach of small children.
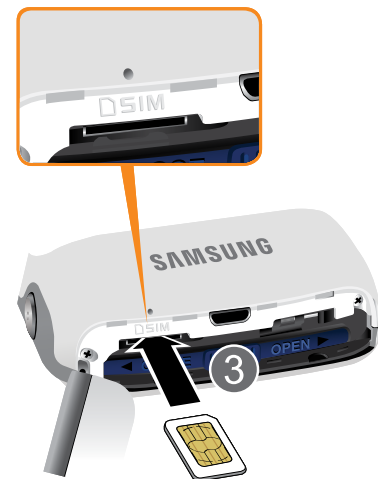
► Carefully slide the SIM card into the SIM card slot until the card locks into place.

Make sure that the card's gold contacts face into the device and that the angled corner of the card is positioned as shown.

Caution: If the card is not inserted correctly, the device will not detect the SIM card. Re-orient the card and place it back into the slot if the SIM is not detected.

Install an Optional Memory Card

You can install an optional microSD or microSDHC memory card (not included) to expand available memory space.

Note: Your phone has been tested to support up to a 64GB memory card.

Note: A memory card can be installed at any time; it is not necessary to install it prior to using the device.
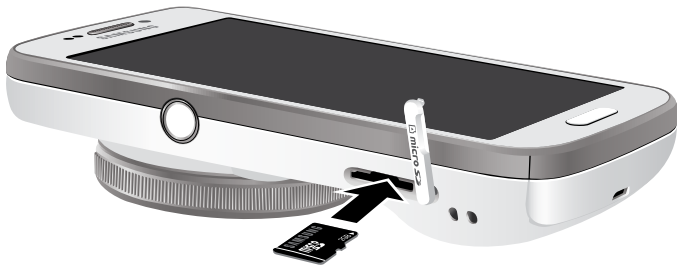
To install an optional memory card:

1. On the left-hand side of your phone, pull the microSD memory card cover out and rotate it to expose the card slot.

2. Push the microSD card into the slot until it clicks (as shown). Make sure the microSD's gold contact pins face downward and the card is securely inserted.

For more information on installing a memory card, see Install a Memory Card.

To remove a memory card:

1. Open the memory card slot cover.

2. Push on the memory card until it clicks and is released.

3. Grasp the memory card and remove it from the phone.

Install the Battery

1. Slide the battery cover release to the right (1) **OPEN** position. The battery cover flips upward (2).

2. Insert the battery into the opening, making sure the connectors align (3).

3. Rotate the battery cover downward and slide the battery cover release to the left (1) **CLOSE** position.

Close the Battery Compartment

▶ Swing the battery compartment cover to the right (1) and press the right-hand side (2) until you have a secure seal.

Note: Make sure the battery is properly installed before switching on the phone.

Charge the Battery

Your device is powered by a rechargeable, standard Li-Ion battery. A Wall/USB Charger (charging head and USB cable) is included with the device for charging the battery from any standard outlet.

The battery comes partially charged. A fully discharged battery requires up to four hours of charge time. You can use the device while charging.

Caution: Use only Samsung-approved charging devices and batteries. Samsung accessories are designed to maximize battery life. Using other accessories may invalidate your warranty and may cause damage.

1. Insert the USB cable into the port.

2. Connect the USB cable to the charging head, and then plug the charging head into a standard outlet.

3. When charging is complete, unplug the charging head from the outlet and remove the USB cable from the device.

Caution: Failure to unplug the wall charger before you remove the battery, can cause damage to the device.

When to Charge the Battery

When the battery is weak and only a few minutes of operation remain, the battery icon ( ) blinks and the device sounds a warning tone at regular intervals.

In this condition, your device conserves its remaining battery power by dimming the screen.

When the battery level becomes too low, the device automatically turns off.

► For a quick check of your battery level, view the battery charge indicator located in the Status Bar of your device's display. A solid color ( ) indicates a full charge.

You can also choose to display a percentage value. Viewing a percentage value can provide a better idea of the remaining charge on the battery. For more information, see Battery.

Set Up Your Device

Turn Your Device On and Off

Turning the Device On

▶ Press and hold the **Power/Lock** key until the device vibrates and starts up.

Turning the Device Off

1. Press and hold the **Power/Lock** key until the device vibrates and the Device options menu displays.

2. Tap **Power off**.

AT&T Ready2Go

The first time you turn your device on, the AT&T Ready2Go screen displays. It will guide you through the basics of setting up your device.

Follow the prompts to choose a default language, connect to a Wi-Fi network, set up accounts, choose location services, learn about your device's features, and more.

If you touch **not now** > **Exit**, you can set up your device later. You can access Ready2Go by tapping ⚏ **Apps** > 🗺 **AT&T Ready2Go**.

Secure Your Device

Use your device's screen lock features to secure your device.

Lock the Device

By default, the device locks automatically when the screen times out.

▶ To lock the device, press the **Power/Lock** key.

Unlock the Device

The default Screen lock on your device is Swipe.

▶ To unlock your device, press the **Power/Lock** key or **Home** key, and then touch and drag your finger across the screen.

Set Up a Secure Screen Lock

The default Screen lock is Swipe, which offers no security. To choose a more secure screen lock, see Set a Screen Lock.

Set Up Accounts on Your Device

Google Account

Your new device uses your Google Account to fully utilize its Android features, including Gmail, Google Hangouts, and the Google Play Store.

When you turn on your device for the first time, set up your existing Google Account, or create a new Google Account.

– or –

To create a new Google Account or set up your Google Account on your device at any time, use Accounts settings. For more information, see Accounts.

► From a Home screen, tap ▦ **Apps** > ⚙ **Settings** > **Accounts** tab > **Add account** > **Google**.

Samsung Account

Create a Samsung account, for access to Samsung content and apps on your device.

When you turn on your device for the first time, set up your existing Samsung account, or create a new Samsung account.

– or –

To create a new Samsung account or set up your Samsung account on your device at any time, use Accounts settings. For more information, see Accounts.

► From a Home screen, tap ▦ **Apps** > ⚙ **Settings** > **Accounts** tab > **Add account** > **Samsung account**.

Know Your Device

Learn some of the key features of your mobile device, including the screens and icons, as well as how to navigate the device and enter text using the keyboard.

Warning: Please note that a touch screen responds best to a light touch from the pad of your finger or a non-metallic stylus. Using excessive force or a metallic object when pressing on the touch screen may damage the tempered glass surface and void the warranty.

Home Screen

Status Bar

Notification icons   Status icons

Widget

Home screen
indicator

Apps screen

App
shortcuts

- **App shortcuts**: Shortcuts to your favorite applications.

- **Apps screen**: Allows quick access to all of your applications.

- **Home screen indicator**: Indicates which Home screen is presently displayed.

- **Notification icons**: Display new messages and emails, notifications, available software updates, and so on.

- **Status Bar**: Displays device status icons (right) and notification icons (left).

- **Status icons**: Display information about the device, such as the network signal strength, battery level, the time, and so on.

- **Widgets**: Self-contained applications that run on the Home screen (not shortcuts).

The Home screen is the starting point for using your device.

Customize your Home screen by adding application shortcuts, widgets, folders, and using wallpapers.

Manage Home Screens

Your device comes with multiple Home screens to hold apps and widgets. You can rearrange the Home screens in a different order.

1. From a Home screen, pinch the screen.

   – or –

   Tap ▤ **Menu** > **Edit page**.

2. Use these options to manage screens:

   - **Add a screen**: Scroll to the end of the screens, and then tap ╬ **Add**.

   - **Remove a screen**: Touch and hold on a screen, and then drag it to ⅲ **Remove**.

   - **Set a screen as the main Home screen**: Tap ⌂ **Main Home screen** at the top of a screen. This screen displays when you press the Home Key.

3. To change the order of screens, touch and hold on a screen, and then drag it to a new position.

App Shortcuts

You can use app shortcuts to launch an app from any Home screen.

Add a Shortcut to a Home Screen

1. From a Home screen, tap ▦ **Apps**.

2. Touch and hold an app shortcut, drag it to a Home screen, and then release it.

Remove a Shortcut

1. Touch and hold an app shortcut to release it.

2. Drag the app shortcut to ⅲ **Remove** and release it.

Note: Removing a shortcut does not delete the app, it just removes the shortcut from the Home screen.

Widgets

Widgets are self-contained apps that run on a Home screen. There are all kinds of widgets, including links to a specific contact, Internet bookmarks, Gmail and email accounts, and many others.

Add a Widget to a Home Screen

1. Touch and hold an empty space on the screen, and then tap **Widgets**.

2. Touch and hold a widget, drag it to a Home screen, and then release it.

Remove a Widget

1. From a Home screen, touch and hold a widget to release it.

2. Drag the widget to ⅲ **Remove** and release it.

Note: Removing a widget does not delete the widget, it just removes the widget from the Home screen.

Folders

Place folders on a Home screen to organize items.

Add a Folder to a Home Screen

1. From a Home screen, touch and hold an app shortcut.

2. Drag the shortcut onto **Create folder** and release.

3. Enter a folder name.

4. Tap **OK**. A folder is created with the shortcut(s) inside.

Using Folders

1. Tap a folder to open it and access the shortcuts inside.

2. To add shortcuts to a folder, touch and hold the shortcut, and then drag it onto the folder and release.

3. To delete a folder, touch and hold the folder until it detaches, and then drag it to **Remove** and release.

Change the Wallpaper

Change the look of the Home and Lock screens with wallpaper. You can display a favorite picture or choose from preloaded wallpapers.

1. Touch and hold an empty space on the screen.

2. Tap **Set wallpapers**, and then choose **Home screen**, **Lock screen**, or **Home and lock screens**.

3. Tap a category of wallpapers to choose from.

4. Tap a wallpaper to see a sample, and then tap **Set wallpaper**.

Status Bar

The Status Bar at the top of the Home screen provides device information (such as network status, battery charge, and time) on the right side and notification alerts on the left.

Status Icons

Icon	Description
	Battery is fully charged.
	Battery is low. The yellow area turns red as the charge level becomes critical.
	Battery is charging.
	Vibrate mode is enabled.
	Mute mode is enabled.
	The device is connected to a 4G LTE wireless network.
	Signal strength.
	Wi-Fi is active.
	No wireless network is available.
	NFC (Near-Field Communication) is enabled.

Notification Icons

Icon	Description
	Missed call.
	Call in progress.
	Call is on hold.
	Call is using speakerphone.
	New email has arrived.
	New Gmail has arrived.
	New voicemail message has been received.
	New text or multimedia message has arrived.
	Download of a file or app is in progress.
	File is being uploaded or sent.
	Location service (GPS) is active.
	App updates are available from the Google Play Store.
	App updates are complete.
	Keyboard is in use.
	Connected to a computer using a USB cable.

Navigation, Motions, and Gestures

Touchscreen Navigation

Tap

Lightly tap items to select or launch them.

- Tap the on screen keyboard to enter characters or text.

- Tap an item to select it.

- Tap an app icon to launch the application.

Touch and Hold

Activate onscreen items by a touch and hold gesture. For example:

- Touch and hold a widget on the Home screen to move it.

- Touch and hold a field to display a pop-up menu of options.

Swipe or Slide

To swipe, lightly drag your finger vertically or horizontally across the screen.

- Swipe the screen to unlock the device.

- Swipe the screen to scroll through the Home screens or menu options.

Drag

To drag, touch and hold on an item, and then move it to a new location.

- Drag an app shortcut to add it to a Home screen.

- Drag a widget to a place it in a new location on a Home screen.

Pinch and Spread

Pinch the screen using your thumb and forefinger or spread by moving your fingers apart.

- Pinch or spread the screen to zoom in or out while viewing a picture or a web page.

- Pinch or spread the screen to zoom in or out while taking a picture.

Motions and Gestures

Control your device by making specific gestures with your hand above the device's screen.

Enable Motions and Gestures

1. From a Home screen, tap ⠿ **Apps** > ⚙ **Settings** > **Device** tab > **Motions and gestures**.

2. Touch **ON/OFF** to enable each feature.

For more details, see Motions and Gestures.

Notification Panel

Settings

View additional
Quick settings

Quick settings

Adjust screen
brightness

Clear all
notifications

Tap notification
to launch app or
view detail
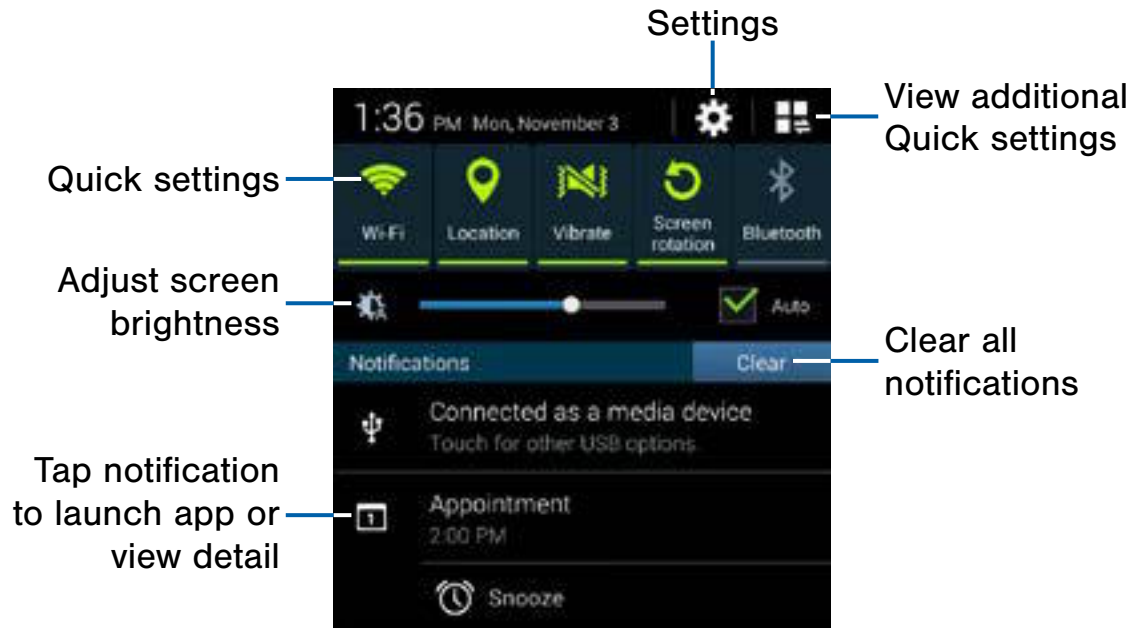
*Notification icons display
on the Status Bar displaying
calendar events, device status,
and more. For details about
these notifications, open the
Notification Panel.*

View the Notification Panel

1. Swipe down on the Status Bar to display the Notification Panel.

2. Scroll down the list to see notification details.

   • Tap an item to open it.

   • To clear a single notification, drag the notification left or right. Tap **Clear** to clear all notifications.

3. To close the Notification Panel, swipe upward from the bottom of the screen or tap the ⬅ **Back** key.

Quick Settings

In addition to notifications, the Notification Panel also provides quick access to device functions such as Wi-Fi, allowing you to quickly turn them on or off.

To view additional Quick settings:

► Swipe left or right across the visible icons.

   – or –

   Tap ⬛ **View all**.

Notification Panel Settings

To customize the Notification Panel:

► From a Home screen, tap ⬛ **Apps** > ⚙ **Settings** > **My device** tab > **Display** > **Notification panel**.

Entering Text

Using the Samsung Keyboard

Type your text input using a QWERTY keyboard.

Predictive text
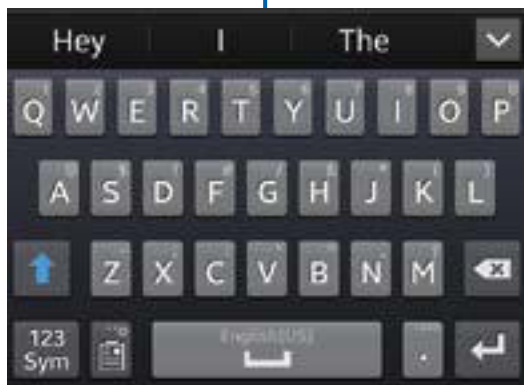
Options key

Special Keys	
123 Sym	Tap to insert numbers and symbols.
ABC	Tap to insert alphabetic characters.

Touch and hold the **Options** key to:

	Use Google Voice Typing.
	Access the clipboard.
	Access keyboard settings.
	Insert emoticons.

Predictive Text

Predictive text suggest words matching your text entries, and, optionally, completes common words automatically. Predictive text can learn your personal writing style from your contacts, messages, email, and social networking sites—improving its accuracy of predicting your text entries.

Configure the Samsung Keyboard

To customize the Samsung Keyboard:

1. From a Home screen, tap **Apps** > **Settings** > **My device** tab.

2. Tap **Language and input**.

3. Tap **Settings** next to Samsung keyboard for options.

Using Google Voice Typing

Instead of typing, speak your text input.
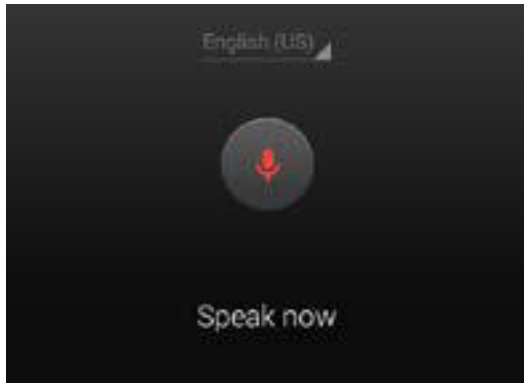
1. To enable Google Voice Typing:

   • From a Home screen, tap ▦ **Apps** >
     ◎ **Settings** > **My device** tab > **Language and input**.

   • Tap the check box next to **Google voice typing** to enable this feature.

2. On the Samsung Keyboard, tap 🎤 **Google Voice Typing**. You may need to touch and hold the **Options** key (left of the **Space** key) to find it.

3. Speak your text.

Configure Google Voice Typing

To customize Google Voice Typing:

1. From a Home screen, tap ▦ **Apps** > ◎ **Settings** > **My device** tab > **Language and input**.

2. Tap ⚙ **Settings** next to Google voice typing for options.

Camera

This section explains how to use the camera features of your phone to take photos and record videos.

Camera Screen

Focus field

Quick settings

Flash mode

Camera mode

Front facing camera

Battery charge

Zoom in

Take a picture

Zoom out

Change shooting mode

Record video

Image viewer (Gallery)

Effects
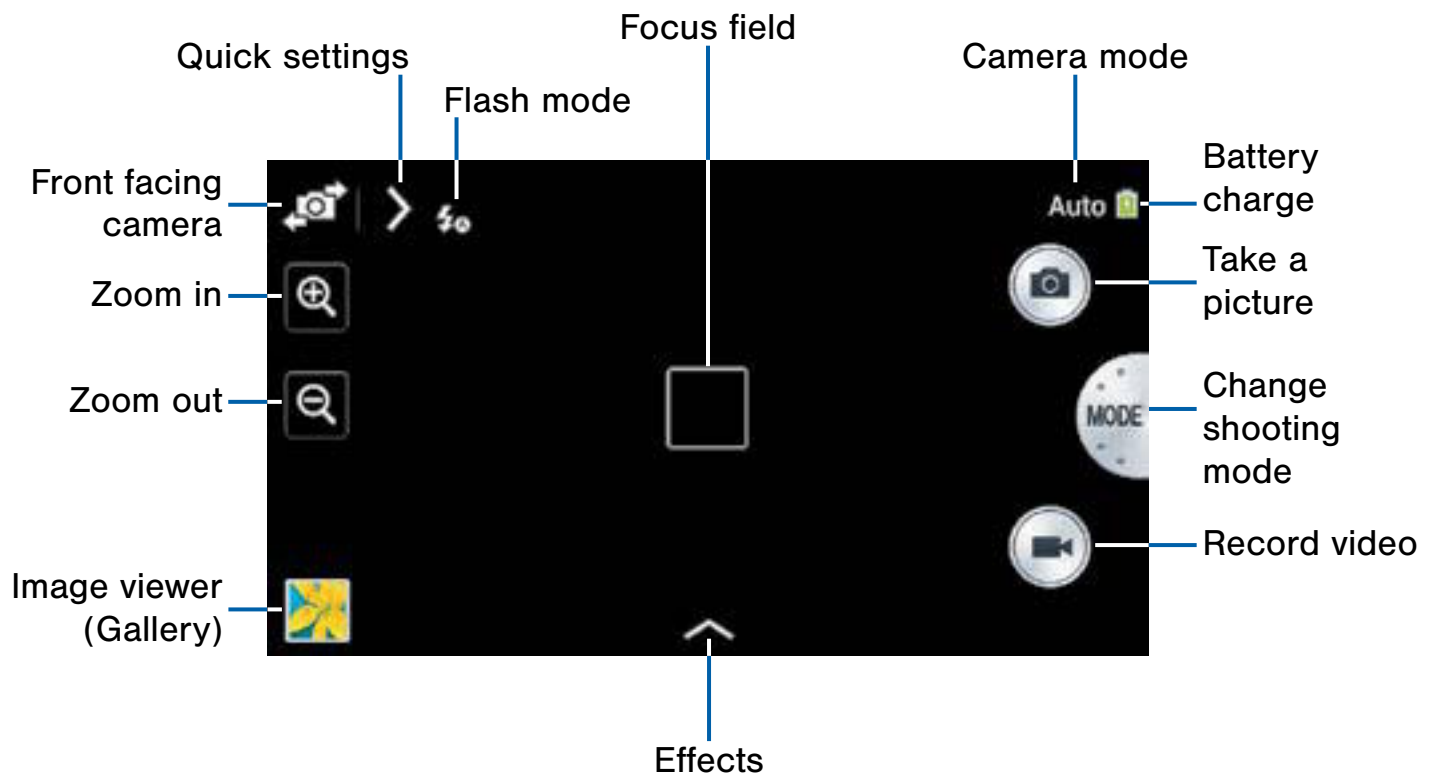
Taking Pictures

Take pictures with your device's front or back cameras.

1. From a Home screen, tap ⋮⋮⋮ **Apps** > 📷 **Camera**.

2. Using the phone's main display screen as a viewfinder, adjust the image by aiming the camera at the subject.

3. Before you take a picture, touch the Zoom out and Zoom in buttons, or rotate the Zoom ring to zoom in or out. You can magnify the picture up to ten times (x10, or 1000 percent).

4. If desired, before taking the photo, you can touch onscreen icons to access various camera options and settings. You can also touch the screen to move the focus field to the area you touch.

5. Tap the 📷 **Take a picture** icon, or press the ⊙ **Shutter** button on the side of the camera until the shutter sounds. The picture is automatically stored within your designated storage location. If no microSD card is installed, all pictures are stored on the phone.

6. While viewing a picture, after you have taken it, pinch the screen outwards to zoom in or pinch the screen inwards to zoom out. You can magnify the picture up to four times (x4).

7. Tap the ⬅ **Back** key to return to the viewfinder.

Quick Settings

► Tap ❯ **Quick settings** at the top of the display to quickly change Camera settings. Not all of the following options are available in both still camera and video camera modes. The available options vary by mode.

⚙	Configure camera settings.
⚡A	Activate or deactivate the flash.
↻OFF	Activate or deactivate the delay timer.
GPS OFF	Activate or deactivate the GPS tag feature.
❓	Display Camera help information.
🎤OFF	Activate or deactivate the voice control to take photos.
⤴OFF	Activate or deactivate the sharing options.
❮	Hide Quick settings.

Shooting Modes

Several visual effects are available. Some modes are not available when taking self-portraits.

1. From a Home screen, tap ⊞ **Apps** > 📷 **Camera**.

2. From the camera viewfinder, tap the ⬚ **Mode** button to change the mode to one of the following:

    ### Auto

    Automatically adjusts your camera to optimize color and brightness. This is the default setting.

    ### Smart

    Adjusts your camera to suit the subject and/or type of photo you want to take:

    • **Smart mode suggest**: Use this to take photos using a smart mode you select from a list that the camera automatically suggests. Half-press the Shutter button, select a smart mode from the suggested list, then press the Shutter button to take the photo.

    • **Beauty face**: Use this to take photos with lightened faces for gentler images.

• **Best photo**: Use this to take multiple photos in a short time, and then choose the best photos among them. Press the Shutter button to take multiple photos. When Gallery opens, touch and hold thumbnails of photos to save, and then touch **Done**.

• **Continuous shot**: Use this to take photos continuously, four photos per second.

• **Best face**: Use this to take multiple group shots at the same time and combine them to create the best possible image. Press the Shutter button to take multiple photos. When Gallery opens, touch the yellow frame on each face, and choose the best individual face for the subject. After choosing a pose for each individual, touch Done to merge the images into a single photo, and touch **Save**.

• **Kids shot**: Use this to play a sound to attract a child's attention so you can take a photo.

• **Landscape**: Use this to take photos that emphasize the landscape and sky by making green and blue more intense.

• **Dawn**: Use this to take photos that emphasize the dawn sky by making blue more intense.

• **Snow**: Use this to take photos that emphasize the brightness of snow by making the white more intense.

• **Macro**: Use this to take photos of close objects or text.

• **Food**: Use this to take photos that emphasize the vivid colors of food.

• **Party/Indoor**: Use this to take photos of indoor activities, such as parties, without blurring the images.

• **Action freeze**: Use this to take fast action photos.

• **Rich tone**: Use this to take and merge photos with various exposures to produce soft images with rich color.

- **Panorama**: Use this to take wide panoramic photos. Press the Shutter button to take a photo, and then move the camera in any direction. When the blue frame aligns with the preview screen, the camera automatically takes another shot in the panoramic sequence. To stop shooting, press the Shutter button again.

- **Waterfall**: Use this to take photos of waterfalls and flowing water using long exposures. Recommend you mount your camera on a tripod.

- **Animated photo**: Use this to create a picture in which a few selected static objects move by animating objects detected by the device.

- **Drama**: Use this to take a series of photos of a moving object and then merge them together into one image.

- **Eraser**: Saves the best of five taken pictures and removes any passers by.

- **Sound & shot**: Use this mode to enrich pictures by adding background sounds for a few seconds. The background sound is recorded for up to nine seconds after taking the photo.

- **Silhouette**: Use this to take photos of silhouettes using backlighting.

- **Sunset**: Use this to take photos that emphasize the sunset by making the colors more intense.

- **Night**: Use this to take photos in low-light conditions, without using the flash. Press the Shutter button to take multiple photos. Photos are automatically merged into a single photo.

- **Fireworks**: Use this to take photos of fireworks at night with long exposures. Recommend you mount your camera on a tripod.

- **Light trace**: Use this to take photos of light trails at night with long exposures. Recommend you mount your camera on a tripod.

Expert

Manually adjust some or all shooting options, including the shutter speed, aperture value, exposure value, and ISO sensitivity.

- **C (Color Wizard) mode**: Use this to take photos in which you manually adjust the color balance by changing the EV (brightness), color saturation, contrast, and sharpness.

- **P (Program) mode**: Use this to take photos using an optimal exposure value resulting from automatic adjustments to shutter speed and aperture value.

- **M (Manual) mode**: Use this to take photos in controlled environments, such as a studio, or at night. In this mode, you have full manual control of the exposure of your photos, including shutter speed as well as aperture value.

My mode

Use this to register your favorite shooting modes, up to five of them, then select them conveniently.

Camera Settings

1. From a Home screen, tap ::: **Apps** > ◉ **Camera**.

2. From the viewfinder, tap 》 **Quick settings** > ⚙ **Camera settings**.

   The follow settings are located under the 📷 **Camera**, 📹 **Camcorder**, ⊰ **Share**, and ⚙ **General** settings tabs. The settings that are displayed will depend on what camera mode you are in.

Camera

- **Timer**: Use this for delayed-time shots. You can set the timer to Off, 2 sec, 5 sec, or 10 sec.

- **Photo size**: Select a resolution setting for photos. Use higher resolution for higher quality images. Higher resolution photos take up more memory.

- **Flash**: Manually set the flash for pictures in low-light conditions when in Smart Mode Suggest, Auto, or Expert modes. You can set the flash to Off, Auto, Red-eye (Expert modes only), or Fill in.

- **Face detection**: Allows the camera to automatically adjust settings according to the facial features detected in the subjects. Normal mode automatically sets the camera exposure to suit the face in the Focus Field; Smile Shot mode takes a picture when the subject smiles; and Blink Detection (Expert modes only) takes multiple shots if the subject blinks. (Available in Beauty face and Expert modes)

- **Detection Display**: Turn this feature On to see what kind of subject the camera detects. Press the shutter button halfway to see the kind of subject detected. (Smart Mode Suggest and Auto modes)

- **Enhance face**: Turn this feature On for the camera to make enhancement adjustments automatically when photographing faces. (Beauty face mode only)

- **Sound**: Select whether to record background sounds before or after a camera shot is taken. (Sound & Shot mode only)

- **Save as**: Save a photo in rich tone either by itself or with the original photo. Select either Rich tone and original, or Rich tone only. (Rich tone mode only)

- **Distraction Sounds**: Plays a sound just before a photo is taken in order to get a child's attention. (Kids shot mode only)

- **WB (light source)**: Adjust the color of photos to be more realistic by changing the White Balance according to the light source of the subject. Options are Auto, Daylight, Cloudy, and Flourescent_H. (Available in Expert modes)

- **Focus mode**: Change the camera focus mode depending on the distance of the subject. Options are Auto focus (for most distances) and Macro (for very close subjects). (Available in Expert modes)

- **Drive mode**: Select a burst mode to capture multiple shots of a moving subject. Options are Single shot (normal camera operation), Continuous shot (hold the shutter button down to keep taking shots), and AE BKT (the camera takes multiple shots at different exposure levels). (Available in Expert modes)

- **Focus area**: Change the focus area of the camera if the camera does not focus on the subject you wish to photograph. Options are Center AF (focus on the subject in the center of the display) and Multi AF (focus on one or more of nine possible areas). (Available in Expert modes)

- **Quality**: Set the quality level of photos, which are saved in the JPEG format. Higher quality photos require more memory. Options are Superfine, Fine, and Normal. (Available in Expert modes)

- **Auto contrast**: If the subject is too dark because contrast lighting, turn Auto contrast On to lighten the subject. (Program and Manual modes only)

- **Metering**: Change the way the camera measures light and brightness. Options are Matrix (measure light across the entire frame), Spot (measure the light at the very center of the frame), and Center-weighted (measure the light across the entire frame with emphasis on the center). (Program and Manual modes only)

- **Adjust image**: Use this feature to make adjustments to the Color, Saturation, Sharpness, and Contrast of a subject before taking a photo. (Available in Expert modes)

- **OIS (anti-shake)**: Turn on Optical Image Stabilization to compensate for camera shake. (Available in Expert modes)

Camcorder

- **Movie size**: Select a resolution for videos. Use higher resolution for higher quality. Higher resolution videos take up more memory.

- **Multi motion**: Use this for slow motion videos. You can set Multi motion to x1/8, x1/4, x1/2, x1, x2, x4, or x8 of normal speed motion.

Note: When you select a value other than 1, sound is not recorded.

- **Sound**: Use this to decrease zoom noise when recording videos. You can set Sound to Quiet zoom turned on/off or Mute.

- **Windcut**: Use this to remove some background noise and wind noise.

Share

- **Share shot**: Use this to send a photo/video directly to another device using Wi-Fi Direct.

- **Buddy photo share**: Uses face recognition from pictures in your contact entries to send your friends or family pictures of themselves.

- **ChatON photo share**: Send a photo directly to another device via ChatON.

- **Remote viewfinder**: Set a device to control the camera remotely.

Settings

- **Camera function volume**: Adjust the auto focus sound.

- **Beep**: Activate or deactivate beep sounds.

- **Description**: Display mode descriptions.

- **Guidelines**: Display a guide to help you compose a scene.

- **Auto screen off**: Set the length of time the device waits before turning off the display's backlight.

- **Review**: Briefly display photos or videos taken.

- **Signature**: Use this to imprint (On)/not imprint (Off) a Selected signature to a photo.

- **Date/time Imprint**: Use this to imprint the date and/or the time on the photos when taking them.

- **Auto adjust display**: Set the camera to automatically adjust the brightness of the display.

- **GPS tag**: Attach a GPS location tag to the photo. To improve GPS signals, avoid shooting in locations where the signal may be obstructed, such as between buildings or in low-lying areas, or in poor weather conditions. Your location may appear on your photos when you upload them to the Internet. To avoid this, deactivate the GPS tag setting.

- **Voice control**: Activates/deactivates voice control feature that allows you to verbally take a photo.

- **Contextual filename**: Have your location added as part of the filename. You must first activate GPS tag described above.

Note: To use this feature, you must activate the GPS tag setting.

- **AF lamp**: Use this to activate the AF-assist light in low-light conditions.

- **Start mode**: Select the default camera mode that launches when the device is turned on.

- **Storage**: Select the memory location for storage.

- **Reset**: Reset the camera settings.

Calling

Make telephone calls using a variety of calling features and services.

Making and Answering Calls

Learn how to make or answer a call. Explore features and functionality associated with making or answering a call.

Make a Call

1. From a Home screen, tap Phone.

2. Enter a number and tap Dial.

Quickly Dial a Number from Your Contact List

1. From a Home screen, tap Apps > Contacts.

2. While viewing your contact list, swipe your finger across a contact to the right call the contact.

Dial a Recent Number

All incoming, outgoing, and missed calls are recorded in the Call log. If the number or caller is listed in your contacts list, the associated name is also displayed.

1. From a Home screen, tap Phone.

2. Tap the **Logs** tab. A list of recent calls is displayed.

3. Tap a contact, and then tap **Call**.

End a Call

▶ When you are ready to end your call, tap **End call**.

Answer a Call

When a call is received the phone rings and displays the caller's phone number, or name if stored in the contacts list.

▶ At the incoming call screen, either:

- Touch and drag **Answer** in any direction to answer the call.

- Touch and drag **Reject** in any direction to reject the call and send it to your voicemail.

Multitasking While on a Call

If you exit the call screen and return to a Home screen, your active call is indicated by an icon on the Status bar.

This lets you continue with your current call and do something else, such as access the contacts list, view a recent email, locate a picture, and so on.

To return to the call screen:

▶ Swipe the Status bar downward to reveal the Notification Panel, and then tap the **Reactivate** button to return to the call screen.

To end a call from any application:

▶ Swipe the Status bar downward to reveal the Notification Panel, and then tap **End**.

Options During a Call

Your phone provides a number of functions that you can use during a call.

Adjusting the Call Volume

► Press the **Volume Key** to increase or decrease the volume.

– or –

Quickly add more volume to the incoming audio by tapping **Extra volume**.

Listen with the Speaker or Bluetooth Headset

Listen to the call using the speaker or through a Bluetooth headset (not included).

► Tap **Speaker** to hear the caller using the speaker.

– or –

Tap **Bluetooth** to use a Bluetooth headset (not included).

Personalize the Call Sound Setting

Adjust the sound by using an audio equalizer.

► From the currently active call, tap **Personalize call sound**.

Place a New Call While in a Call

If your service plan supports this feature, you can make another call while a call is in progress.

1. From the active call, tap **Add call** to dial the second call. The first call is displayed as a thumbnail.

2. Dial the new number and tap **Dial**.

   • Tap **Swap** to switch between the two calls.

   • Tap **Merge** to hear both callers at once (multi conferencing).

Call Waiting

If your service plan supports this feature, you can answer an incoming call while you have a call in progress. You are notified of an incoming call by a call waiting tone.

To answer a new call while you have a call in progress:

1. Slide **Answer** in any direction to answer the new call.

2. Tap an option:

   • **Putting [Caller] on hold** to place the previous caller on hold while you answer the new incoming call.

   • **Ending call with [Caller]** to end the previous call and answer the new call.

3. Tap the previous **On hold number entry** and select **Swap** to switch between the two calls. This places the new caller on hold and activates the previous call.

Call Log

The numbers of the calls you have dialed, received, or missed are stored in the Call log.

1. From a Home screen, tap **Phone**.

2. Tap the **Logs** tab. A list of recent calls is displayed. If the caller is in your contacts list, the caller's name is displayed.

Save a Recent Call to Your Contacts List

1. From a Home screen, tap **Phone** > **Logs** tab.

2. Tap the call that contains the information that you want to save to your contacts list.

3. Tap **Create contact**.

   – or –

   If you want to replace the number for an existing contact, tap **Update existing**.

Delete a Call from the Call Log

1. From a Home screen, tap 📞 **Phone** > **Logs** tab.

2. Touch and hold the call you want to delete from the Call log.

3. Tap 🗑 **Delete**.

Add a Call to the Reject List

By adding a caller to your Reject list, future calls from this number will be sent directly to your voicemail.

1. From a Home screen, tap 📞 **Phone** > **Logs** tab.

2. Touch and hold the caller you want to add to the Reject list.

3. Tap 🔲 **Menu** > **Add to Auto reject list**.

Make a Call Using Speed Dial

You can assign a shortcut number to a contact for speed dialing their default number.

To make a call using Speed Dial:

1. From a Home screen, tap 📞 **Phone** > **Keypad**.

2. Touch and hold the speed dial number.

   If the speed dial number is more than 1 digit long, enter the first digits, then hold the last digit.

Assign a Speed Dial Number

1. From a Home screen, tap ▦ **Apps** > 👤 **Contacts**.

2. Tap 🔲 **Menu** > **Speed dial setting**. The Speed dial setting screen displays showing the numbers 1 through 100. Number 1 is reserved for voicemail.

3. Tap an unused number. A list of contacts displays.

4. Tap a contact to assign to the number. The selected contact displays in the speed dial number box.

Remove a Speed Dial Number

1. Touch and hold the Speed Dial number until the options menu appears.

2. Tap **Remove**.

Make an Emergency Call

The Emergency calling mode makes redialing an emergency number a one-tap process.

Note: This mode can drain your battery power more rapidly than normal calling mode.

Make an Emergency Call without a SIM Card

Without a SIM card, you can only make an emergency call with the phone; normal cell phone service is not available.

1. From the Lock screen, tap **Emergency call**.

2. Enter **911** and tap 📞 **Dial**.

3. Complete your call. During this type of call, you will have access to the Speaker mode, Keypad, and End Call features.

4. Tap 📕 **End call**.

Make an Emergency Call with a SIM Card

1. From a Home screen, tap 📞 **Phone**.

2. Enter the emergency number (example: 911), then tap 📞 **Dial**.

Call Settings

To access the Call settings menu:

► From a Home screen, tap 📞 **Phone** > 🔲 **Menu** > **Call settings**.

   – or –

   From a Home screen, tap ▦ **Apps** > ⚙ **Settings** > **My device tab** > **Call**.

Applications

The Apps screen displays all applications installed on your device, both preloaded apps and apps you download and install yourself.

Learn how to change the way apps appear, organize apps into folders, and uninstall or disable apps.

Apps Screen

The Apps screen shows all preloaded apps and apps that you downloaded. You can uninstall, disable, or hide apps from view.

Shortcuts to apps can be placed on any of the Home screens. For more information, see Add a Shortcut to a Home Screen.

Accessing Applications

1. From a Home screen, tap ⠿ **Apps**.

2. Tap an application's icon to launch it.

3. To return to the main Home screen, press the **Home** key.

Download and Install New Apps

Find new apps to download and install on your device:

- 🛒 **Play Store**: Download new apps from the Google Play Store. Visit play.google.com/store/apps to learn more.

- 🛍 **GALAXY Apps**: View and download Samsung apps that are optimized for use with GALAXY devices. Visit apps.samsung.com to learn more.

Uninstall or Disable Apps

You can uninstall or disable apps you download and install.

- Preloaded apps cannot be uninstalled.

- Apps that are disabled are turned off and hidden from view.

1. From a Home screen, tap ⠿ **Apps**.

2. Tap ▭ **Menu** > **Uninstall/disable apps**. Apps that can be uninstalled show ⊖ **Delete** on their icon.

3. Tap ⊖ **Delete** and follow the prompts to either uninstall or disable the app.

Organize Your Apps

The Apps icons can be organized in folders and listed alphabetically or in your own custom order.

Change the Order Apps Are Listed

1. From a Home screen, tap ⠿ **Apps**.

2. Tap ▭ **Menu** > **View type**.

3. Tap an option:

  - **Customizable grid**: Allows you to touch and hold on apps to move them from screen to screen.

  - **Alphabetical grid**: Apps are arranged in a grid, in A-Z order.

  - **Alphabetical list**: Apps are arranged in a list, in A-Z order.

Use Folders to Organize Apps

1. From a Home screen, tap ▦ **Apps**.

2. Tap ▭ **Menu** > **Create folder**.

3. Enter a folder name.

4. Tap **OK** to create the folder.

5. To add apps to the folder, press and hold an app shortcut and drag it to the folder.

Apps Screen Options

1. From a Home screen, tap ▦ **Apps**.

2. Tap ▭ **Menu** for these options:

   - **Edit**: Touch and hold an app icon then drag it to:

     - ▣ **Create folder** to create a new folder.

     - *i* **App info** to view information about this app.

     - 🗑 **Disable/Delete app** to remove the app.

   - **Create folder**: Create a new folder to hold the app icon.

   - **View type**: Configure the Apps screen.

   - **Uninstall/disable apps**: Uninstall an app that you downloaded to your device, or disable a preloaded app (preloaded apps cannot be uninstalled). Touch ⊖ **Delete** to remove or disable the selected app.

   - **Show disabled apps**: Display disabled apps.

Google Applications

Enjoy these applications from Google.

Note: Certain applications require a Google account. Visit google.com to learn more.

Chrome

Use Google Chrome to browse the Internet and bring your open tabs, bookmarks and address bar data from your computer to your mobile device.

Drive

Open, view, rename, and share your Google Docs and files.

Gmail

Send and receive email with Gmail, Google's web-based email service.

Google

Search not only the Internet, but also the apps and contents of your device.

Google Now

Google Now works in the background to collect information you regularly look up and organize it into convenient cards that appear when you need them.

► Press and hold the **Home** key.

Note: When Google Now is enabled, you can also access it by touching 8 .

Google Settings

Quickly and easily change Google app settings to suit your preferences.

Note: You must be signed in to the application you want to configure. For example, sign in to Google+ to configure Google+ settings.

Google+

Stay connected and share with Google+. Chat with friends and family, post photos, and see what others are sharing.

Hangouts

Hangouts is an online place to meet friends and family, share photos, and host video calls. Conversation logs are automatically saved to a Chats area in your Gmail account.

Maps

Use Google Maps to find your current location, get directions, and other location-based information.

Note: You must enable location services to use Maps. Please see Location Services.

Photos

This application automatically backs up your photos and videos to your Google+ account

Play Books

With Google Play Books, you can find millions of free e-books and hundreds of thousands more to buy in the eBookstore.

Play Games

Discover hundreds of games for download and purchase through the Google Play Store.

Play Movies & TV

Watch movies and TV shows purchased from Google Play. You can stream them instantly, or download them for viewing when you are not connected to the Internet. You can also view videos saved on your device.

Play Music

With Google Play Music, you can play music and audio files on your device.

Play Newsstand

Subscribe to your favorite magazines to read on your device at your leisure.

Play Store

Find new apps, movies and TV shows, music, books, magazines, and games in Google Play Store.

Voice Search

Use voice commands to search the web with Google.

YouTube

View and upload YouTube videos right from your device

AT&T Applications

Enjoy these applications from AT&T.

Note: Certain applications require a data plan or paid subscription. Visit att.com to learn more, or contact your service provider for additional information.

AT&T Code Scanner

Download the AT&T Code Scanner app to scan QR, Data Matrix, or UPC barcodes with your camera.

AT&T FamilyMap

AT&T FamilyMap provides peace of mind by being able to conveniently locate a family member from your wireless device or PC and know that your family's location information is secure and private.

FamilyMap requires a paid subscription. Visit att.com/familymap for more information or contact your AT&T Customer Service Representative.

AT&T Locker

AT&T Locker allows you to store, share, and sync all of your photos, videos, and documents in one safe, convenient place: the AT&T cloud.

AT&T Navigator

AT&T Navigator provides you with access to real-time GPS-driven applications. These programs not only allow you to achieve turn-by-turn navigation, but also access local searches.

Note: You must have a data plan to use this feature. These services require the purchase of a subscription.

AT&T Ready2Go

AT&T Ready2Go allows you to quickly and easily setup your device by using the web browser on your PC. You can set-up email accounts, import contacts, set wallpaper, configure Wi-Fi and many more features.

AT&T Smart Wi-Fi

With AT&T Smart Wi-Fi, you can maximize your battery performance, simplify access to AT&T Hot Spots and Wi-Fi networks, automate your Wi-Fi connections, and track your data use.

Device Help

Device Help provides online information to help with your device questions.

DriveMode

With the AT&T DriveMode application, you can set your phone to auto reply when you are driving and do not want to answer the phone. You can auto reply to messages, emails, and phone calls. You can also allow up to five of your contacts to contact you while using DriveMode.

Mobile Hotspot

Use Mobile Hotspot to share your device's mobile data connection using a USB cable or as a portable Wi-Fi hotspot.

Mobile TV

Mobile TV is a subscription service that allows you to watch your favorite TV shows using your handset.

myAT&T

The myAT&T application allows you to manage your AT&T account. You can review and pay your bill, check minutes and data usage, upgrade to a new device, or change your plan.

Other Applications

Amazon Kindle

Use the Amazon Kindle application to download books for reading right on your device. You must have an account with Amazon to use the Kindle application.

Beats Music

Beats Music is a music streaming service that delivers the right music at the right time. All you have to do is hit play.

You must log in with your Google account to use Beats Music.

ChatON

Spend time connecting with your buddies via ChatON! With a Samsung account, you can enjoy ChatON across your smartphone, tablet, and computer. ChatON features free text, voice, and video messaging.

Flipboard

Use this application to access your personalized magazines.

Games

Play full version games for free. Use WildCoins to rent or buy games and in-game items. Enjoy new games every week.

Help

View information on using your device's basic features and settings.

Lookout Security

Lookout Mobile Security provides key security options, such as anti-virus and anti-malware technology, a lost and stolen device locater service, an application privacy adviser, and a backup service.

Paper Artist

The Paper Artist application allows you to draw new images or import images from your Gallery and change them. Download this app to your device to use it.

Photo Suggest

Photo Suggest allows you to view photos of places of interest near your location.

POLARIS Office 5

Polaris Office 5 is a Microsoft Office-compatible office suite for managing your documents online or offline. It can also open Adobe PDF (Portable Document Format) files.

TripAdvisor

With the TripAdvisor, you can plan and have your perfect trip. With over 75 million reviews and opinions by travelers, it is easy to find the best hotels, restaurants, and fun things to do.

Video Editor

The Video Editor allows you to cut, merge, and enhance your videos with title frames and transitions. Download this app to your device to use it.

YP

The Yellow Pages Mobile application provides quick and ready access to businesses, map locations, and storage of your favorite searches. Use YP to touch into local businesses, locations, and events, and connect to your search in real-time.

Calculator

The Calculator provides basic and advanced arithmetic functions.

Basic Operation

1. From a Home screen, tap ▦ **Apps** > ▦ **Calculator**.

2. Enter the first number using the numeric keys.

3. Tap the appropriate arithmetic function key.

4. Enter the next number.

5. To view the result, tap the ⊜ **Equals** key.

Additional Functions

To clear the results:

► Tap ⓒ **Clear**.

To clear the calculator history:

► Tap ▤ **Menu** > ⊗ **Clear history**.

To copy all or part of the calculation to the clipboard:

► Touch and hold an entry in the display field.

Scientific Calculator

Turn the device landscape to use advanced arithmetic functions, such as *sin*, *cos*, and *tan*.

Calendar

Manage your events and tasks.

Create an Event or Task

1. From a Home screen, tap ⦂⦂⦂ **Apps** >
   ▤ **Calendar**.

2. Tap ➕ **Add** and use one of the following
   methods:

   • **Add event**: Enter an event with an optional
     repeat setting.

   • **Add task**: Enter a task with an optional priority
     setting.

3. Enter details for the event or task, and then
   tap **Save**.

Delete an Event or Task

1. From a Home screen, tap ⦂⦂⦂ **Apps** >
   ▤ **Calendar**.

2. Tap ▤ **Menu** > **Delete**.

3. Tap events and tasks to select them, and then
   tap **Delete**.

Sharing Events

1. From a Home screen, tap ⦂⦂⦂ **Apps** >
   ▤ **Calendar**.

2. Tap an event or task to view it.

3. Tap ▤ **Menu** > **Share via**, select a sharing
   method, and follow the prompts.

Calendar Settings

These settings allow you to modify settings
associated with using the Calendar.

1. From a Home screen, tap ⦂⦂⦂ **Apps** >
   ▤ **Calendar**.

2. Tap ▤ **Menu** > **Settings**.

3. Tap an option and follow the prompts.

Clock

The Clock app offers features for keeping track of time and setting alarms.

1. From a Home screen, tap ⌗ **Apps** > ◔ **Clock**.

2. Tap a tab to use a feature:

   - **Alarm**: This feature allows you to set an alarm to ring at a specific time.

   - **World clock**: View the time of day or night in other parts of the world. World Clock displays time in hundreds of different cities, within all 24 time zones around the world.

   - **Stopwatch**: You can use this option to measure intervals of time.

   - **Timer**: You can use this option to set a countdown timer. Use a timer to count down to an event based on a preset time length (hours, minutes, and seconds).

   - **Desk clock**: Use the Desk clock to display the time, day, date, location, and weather conditions.

Create an Alarm

Create an alarm event. You can set one-time or recurring alarms, and choose options for how to be notified.

1. From a Home screen, tap ⌗ **Apps** > ◔ **Clock**.

2. Tap ┿ **Create alarm** to configure a new alarm:

   - **Time**: Choose a time for the alarm.

   - **Days**: Choose the days to use this alarm.

   - **Repeat weekly**: When enabled, the alarm repeats every week.

   - **Alarm type**: Choose whether the alarm will use sound, vibration, or vibration and sound to alert you.

   - **Alarm tone**: If you have chosen an alarm type that includes sound, choose a sound to play for the alarm.

   - **Volume**: If you have chosen an alarm type that includes sound, drag the slider to set the volume of the alarm.

   - **Snooze**: Activate snooze, and set interval and repeat values for the alarm while snoozing.

   - **Smart alarm**: When on, the alarm will start playing a tone at a low volume at an interval before the alarm time, and slowly increase in volume. Choose a time interval and a tone to use with smart alarm. Available when you have chosen an alarm type that includes sound.

   - **Name**: Enter a name for the alarm.

3. Tap **Save**.

Delete an Alarm

1. From a Home screen, tap ⌗ **Apps** > ◔ **Clock**.

2. Touch and hold an alarm, and then tap **Delete**.

Contacts

Store and manage your contacts with the Contacts app, which can be synchronized with a variety of your existing personal accounts, including Google, Email, Facebook, and your Samsung account.

For more information on connecting with and managing your accounts through your device, see Accounts.

Managing Contacts

Access your list of contacts by using the Contacts app, which is a shortcut to the Contacts tab. To access your Contacts list:

► From a Home screen, tap ▦ **Apps** >
   👤 **Contacts**.

Finding a Contact

You can search for a contact, or scroll the list to find one by name.

1. From a Home screen, tap ▦ **Apps** >
   👤 **Contacts**.

2. Tap the **Search** field, and then enter characters to find contacts that match.

   – or –

   Tap a letter on the side of the list to jump directly to that letter in the alphabetical list. You can also press and slide across the alphabetical list to select a letter with better precision.

Add a Contact

Use the following procedure to add a new contact.

1. From a Home screen, tap ▦ **Apps** >
   👤 **Contacts**.

2. Tap ➕ **Add**, and then tap contact fields to enter information.

   - Choose a storage account for the contact. You can store the contact on the device, your SIM card, or sync it with an account.

   - Tap 👤 **Contact photo** to assign a picture to the new contact.

   - Enter a name, phone number, email address, and assign the contact to a group. Tap **Add another field** to add additional contact information.

     – Tap ⊕ **Add** to enter additional entries.

     – Tap ⊖ **Delete** to remove an entry.

     – Tap **Add another field** for additional fields.

     – Tap ▭ **Label** to choose a label for the field.

3. Tap **Save**.

Edit a Contact

When editing a contact, you can tap a field and change or delete the information, or you can add additional fields to the contact's list of information.

1. From a Home screen, tap ▦ **Apps** >
   👤 **Contacts**.

2. Tap the contact to display it, and then tap
   ✏ **Edit**.

3. Tap any of the fields to add, change, or delete information.

4. Tap **Save**.

Share a Name Card

When you share a name card, the contact's information is sent as a vCard file (.vcf). You can share a vCard via Bluetooth or Wi-Fi Direct, attach it to a message, or save it to a storage location.

1. From a Home screen, tap ▦ **Apps** > 👤 **Contacts**.

2. Tap a contact to display it, and then tap ▤ **Menu** > **Share namecard via**.

3. Choose a sharing method and follow the prompts.

Link Contacts

When you have contacts from various sources (Gmail, Facebook, and so on), you may have multiple similar entries for a single contact. Contacts lets you link multiple entries into a single contact.

1. From a Home screen, tap ▦ **Apps** > 👤 **Contacts**.

2. Tap the contact to display it, and then tap 🔗 **Link**.

3. Tap **Link another contact**, and then select contact(s) to link to the original contact.

Unlink Contacts

1. From a Home screen, tap ▦ **Apps** > 👤 **Contacts**.

2. Tap the contact to display it, and then tap 🔗 **Link**.

3. Tap ⊖ **Separate** beside contacts to unlink them from the main contact.

Delete Contacts

You can delete a single contact, or choose multiple contacts to delete.

1. From a Home screen, tap ▦ **Apps** > 👤 **Contacts**.

2. To delete one contact, touch and hold a contact to select it, and then tap **Delete**.

    – or –

3. To delete multiple contacts, tap ▤ **Menu** > **Delete**, tap contacts to select them, and then tap **Delete.**

Favorites

When you mark contacts as favorites, they are easily accessible from other apps. Favorites display together on the Favorites tab in Contacts.

Mark Contacts as Favorites

1. From a Home screen, tap ▦ **Apps** > 👤 **Contacts**.

2. Tap a contact to display it, and then tap ⭐ **Favorite** (the star turns gold ⭐).

Remove Contacts from Favorites

1. From a Home screen, tap ▦ **Apps** > 👤 **Contacts**.

2. Tap the **Favorites** tab.

3. Touch and hold a contact, then tap **Remove from Favorites**.

Create a Shortcut to a Favorite

You can create a shortcut to a favorite on the home screen, to access their information directly from the home screen.

1. From a Home screen, tap ▦ **Apps** > 👤 **Contacts**.

2. Tap the **Favorites** tab.

3. Touch and hold a contact, and then tap **Add shortcut to home**.

Groups

You can use groups to organize your contacts. Your device comes with preloaded groups, and you can create your own. You might create a group for your family, for coworkers, or a team. Groups make it easy to find contacts, and you can send messages to the members of a group.

Create a Group

1. From a Home screen, tap ▦ **Apps** > 👤 **Contacts**.

2. Tap 👥 **Groups**.

3. Tap ▤ **Menu** > **Create**.

4. Tap fields to enter information about the group:

   • Tap **Create group in <location>** to choose where to save the group. You can save it to a specific account, to the device memory, or to all accounts.

   • Tap **Group name** to enter a name for the new group.

5. Tap **Add member** and select contact(s) to add to the new group, and then tap **Done**.

6. Tap **Save**.

Rename a Group

1. From a Home screen, tap ▦ **Apps** > 👤 **Contacts**.

2. Tap 👥 **Groups**, and then tap a group.

3. Tap ▤ **Menu** > **Edit group** and enter a new name.

4. Tap **Save**.

Add Contacts to a Group

1. From a Home screen, tap ▦ **Apps** > 👤 **Contacts**.

2. Tap 👥 **Groups**, and then tap a group.

3. Tap ➕ **Add**, and then tap the contact(s) you want to add.

4. Tap **Done**.

Send an Email to a Group

You can send an email to members of a group.

1. From a Home screen, tap ▦ **Apps** > 👤 **Contacts**.

2. Tap 👥 **Groups**, and then tap a group.

3. Tap ▤ **Menu** > **Send email**.

4. Tap contacts to select them, or tap **Select all**, and then tap **Done**. (You will only see group members that have email addresses in their contact records.)

5. Choose an email account and follow the prompts.

Delete a Group

Preset groups, such as Family, cannot be deleted.

1. From a Home screen, tap ▦ **Apps** > 👤 **Contacts**.

2. Tap 👥 **Groups**.

3. Tap ▤ **Menu** > **Delete groups**.

4. Select groups to delete and tap **Delete**. Follow the prompts to delete the group. You also have the option to delete the contacts in the group.

Contact Settings

These settings allow you to modify settings associated with using the Contacts app.

1. From a Home screen, tap ⊞ **Apps** > 👤 **Contacts**.

2. Tap ▤ **Menu** > **Settings**.

3. Tap an option and follow the onscreen instructions.

Downloads

Provides quick access to tabs containing a list of your current downloaded files (internet and other).

1. From a Home screen, tap ⊞ **Apps** > ⬇ **Downloads**.

2. Place a check mark on an available file to select it.

3. Choose an available action such as Share via, Delete, Sort by size, Sort by date, or Clear list.

Email

Use the Email app to view and manage all your email accounts in one application.

To access Email:

► From a Home screen, tap ::: **Apps** > 🖂 **Email**.

Configuring Email Accounts

You can configure Email for most accounts in just a few steps.

1. From a Home screen, tap ::: **Apps** > 🖂 **Email**.

2. Follow the onscreen instructions to set up your email account.

   – or –

   For additional accounts, tap ▤ **Menu** > **Settings** > **Add account**.

The device communicates with the appropriate server to set up your account and synchronize your email. When complete, your email appears in the Inbox for the account.

Note: To configure email account settings at any time, tap ▤ **Menu** > **Settings**. Tap the account to display Account settings.

Refreshing Your Email Account

Refresh your account to update your email accounts.

1. From a Home screen, tap ::: **Apps** > 🖂 **Email**.

2. Tap ⟳ **Refresh**.

Managing Your Email Accounts

You can view email you receive for all accounts on the **Combined view** screen or you can view email accounts individually.

1. From a Home screen, tap ::: **Apps** > 🖂 **Email**.

2. Tap ▤ **Menu** at the top left of the screen to select:

   • **Combined view**: View all email in a combined inbox.

   • **<Account Name>**: View email for only this account.

Removing Email Accounts

To remove an email account from your phone:

1. From a Home screen, tap ::: **Apps** > 🖂 **Email**.

2. Tap ▤ **Menu** > **Settings** > **Account settings**.

3. Tap 🗑 **Delete**.

4. Tap the accounts to remove, and then tap **Delete**.

Email Settings

These settings allow you to modify settings associated with using the Email app.

1. From a Home screen, tap ::: **Apps** > 🖂 **Email**.

2. Tap ▤ **Menu** > **Settings**.

3. Tap an option and follow the onscreen instructions.

Gallery

View, edit, and manage pictures and videos.

View Images and Videos

Launching Gallery displays available folders. When another application, such as Email, saves an image, a Download folder is automatically created to contain the image. Likewise, capturing a screenshot automatically creates a Screenshots folder.

1. From a Home screen, tap ⚏ **Apps** > 🔅 **Gallery**.

2. Tap the drop down list in the top left (which is on **Albums** by default) to choose the way items display.

3. Tap 🗂 **Create album** to create a new album.

4. Tap a thumbnail to open a folder to see its contents.

5. Tap an image or video to view it in full screen. Scroll left or right to view the next or previous image or video.

Zoom In and Out

Use one of the following methods to zoom in or out on an image:

- Double-tap anywhere on the screen to zoom in or zoom out.

- Spread two fingers apart on any place to zoom in. Pinch the screen to zoom out.

Playing Videos

1. From a Home screen, tap ⚏ **Apps** > 🔅 **Gallery**.

2. Tap a folder to open it.

3. Tap a video to view it.

Trimming Segments of a Video

1. Select a video, and then tap ✂ **Trim**.

2. Use the sliders at the bottom of the screen to trim the video. Move the start bracket to the desired starting point, move the end bracket to the desired ending point.

3. Tap **Done** to save the video.

Image Options

► While viewing an image, tap ▭ **Menu**:

- **Edit**: Use basic tools to edit your picture.

- **Favorite/Unfavorite**: Mark the image as a favorite.

- **Slideshow**: Start a slideshow with the images and videos in the current folder.

- **Photo frame**: Add a frame around the image and write or draw on it.

- **Add note on back of image**: Write a note on the "back" of the image.

- **Signature**: Add a signature with text, handwriting, or an image to the picture.

- **Copy to clipboard**: Place a copy on the clipboard.

- **Print**: Print the image via a USB or Wi-Fi connection. Some printers may not be compatible with the device.

- **Rename**: Rename the file.

- **Buddy photo share**: Share the photo with contacts who appear in it. Your device attempts to match the faces in the image with photos of your contacts.

- **Rotate left**: Rotate the picture counter-clockwise.

- **Rotate right**: Rotate the picture clockwise.

- **Crop**: Resize the frame to crop the image.

- **Set as**: Set the image as wallpaper or as a contact's photo.

- **Details**: View image details.

- **Settings**: Change the Gallery settings.

Deleting Images

1. From a Home screen, tap ▦ **Apps** > ✳ **Gallery**.

2. Tap a folder to open it.

3. When viewing a single image, tap 🗑 **Delete**.

Sharing Images

Use one of the following methods:

1. From a Home screen, tap ▦ **Apps** > ✳ **Gallery**.

2. Tap a folder to open it.

3. When viewing a single image, tap ⦸ **Share** to send it to others or share it via social network services.

Gallery Settings

These settings allow you to modify settings associated with using your Gallery.

1. From a Home screen, tap ▦ **Apps** > ✳ **Gallery**.

2. Tap ▤ **Menu** > **Settings**.

3. Tap an option and follow the onscreen instructions.

Group Play

Share documents, photos, or music in real-time with other connected friends.

Note: Group Play is not the same as Screen mirroring, which requires a connection to a Wi-Fi capable Samsung TV or via the use of the AllShare Cast Hub.

Important: To share via Group Play, all users must be connected to the same Wi-Fi access point.

1. From a Home screen, tap ▦ **Apps** > 🖼 **Group Play**.

2. Read the onscreen Terms and Conditions, tap **I agree**, and tap **Confirm**.

3. Follow the onscreen instructions to create a group or join a group.

Internet

Access the Internet with a fully featured web browser.

Access the Internet

▶ From a Home screen, tap ⦂⦂⦂ **Apps** > 🌐 **Internet**.

Command Keys

The following command keys are available:

- ⬅ **Back** or ↰ **Back** key to return to the previous page.

- ➡ **Forward** to go forward to a recent page.

- 🔄 **Refresh** to reload the current page.

- 🗔 **Window manager** to view open browser windows.

- ★ **Bookmarks** to view bookmarked pages.

Viewing Web Site

To view a web site:

▶ Tap the address field, enter the web address, and then tap **Go**.

To share, save, or print the current web page:

▶ Tap 🗏 **Menu** and select the appropriate option.

To zoom in or out:

▶ Tap the screen twice or pinch the screen to zoom out and stretch the screen to zoom in.

Browser Windows

Use tabs to view multiple web pages at the same time.

To open a new tab:

▶ Tap 🗏 **Menu** > **New window**.

To close a tab:

1. Tap 🗔 **Window manager**.

2. Tap the ⊖ **Close** icon on the window that you want to close.

Bookmarks

To bookmark the current web page:

▶ Tap ★ **Bookmarks** > **Add**.

To open a bookmarked web page:

▶ Tap ★ **Bookmarks** and tap an entry.

History

To view a list of recently visited web pages:

▶ Tap ★ **Bookmarks** > **History** tab.

Saved Pages

To save a web page:

▶ Tap 🗏 **Menu** > **Save page**.

To view a list of saved web pages:

▶ Tap ★ **Bookmarks** > **Saved pages** tab.

Sharing Pages

To share a web page address with others:

► Tap ▭ **Menu** > **Share via** and follow the prompts.

Incognito Tabs

Pages viewed with incognito tabs do not appear within your browser history or search history, and leave no traces (such as cookies) on your device.

Incognito tabs display 👤 **Incognito** on their tab.

Note: Any downloaded files will remain on your device after you close the incognito tab.

To open a new incognito tab:

► Tap ▭ **Menu** > **Incognito mode**.

Internet Settings

These settings allow you to modify settings associated with using the Internet app.

1. From a Home screen, tap ⊞ **Apps** > 🌐 **Internet**.

2. Tap ▭ **Menu** > **Settings**.

3. Tap an option and follow the onscreen instructions.

Messages

Learn how to send and receive different messages using the default messaging app on your phone.

Types of Messages

Your default Messaging app provides the following message types:

- Text Messages (SMS)
- Multimedia Messages (MMS)

The Short Message Service (SMS) lets you send and receive text messages to and from other mobile phones or email addresses. To use this feature, you may need to subscribe to your service provider's message service.

The Multimedia Messaging Service (MMS) lets you send and receive multimedia messages (such as picture, video, and audio messages) to and from other mobile phones or email addresses. To use this feature, you may need to subscribe to your service provider's multimedia message service.

Messaging icons are displayed at the top of the screen and indicate when messages are received and their type.

Creating and Sending Messages

This section describes how to create a send a message using the Messaging app.

1. From a Home screen, tap ▨ **Messages** > ▨ **Compose**.

2. Tap the **Enter recipients** field to manually enter a recipient or tap ▨ **Add Recipient** to select a recipient from your Contacts. You can also select the recipient based on Groups, Favorites, or Logs.

3. If adding a recipient from your Contacts, tap the contact to place a check mark then tap **Done**. The contact will be placed in the recipients field.

4. Enter additional recipients by separating each entry with a semicolon (;) and then using the previous procedure. More recipients can be added at any time before the message is sent.

    For the Group option, if the number of recipients is less than 10, all members in the group will be added. You will need to delete any unnecessary members in the list by selecting the trash can icon and deleting unwanted entries.

5. Tap the **Enter message** field and use the onscreen keypad to enter a message.

6. Tap ▨ **Attach** to attach multimedia to your message, including content from S Memo, Calendar, Contacts, and your location.

7. Review your message and tap ▨ **Send**.

Note: If you exit a message before you send it, the message is automatically saved as a draft.

Viewing New Messages

When you receive a new message, a new message icon appears on the Status Bar.

To view the message:

1. Open the Notification Panel and select the message. For more information, please see Notification Panel.

   – or –

   From a Home screen, tap 🗩 **Messages**, and then tap the new message to view it.

2. To play a multimedia message (audio or video), tap ▷ **Play**.

3. To scroll through the list of messages, tap the screen and scroll up or down the page.

Deleting Messages

To delete messages, follow these steps:

1. From a Home screen, tap 🗩 **Messages**.

2. Tap ▤ **Menu** > **Delete threads**.

3. Tap each message you want to delete or tap **Select all**.

4. Tap **Delete** and follow the prompts.

Message Search

1. You can search through your messages by using the Message Search feature.

2. From a Home screen, tap 🗩 **Messages**.

3. Tap ▤ **Menu** > 🔍 **Search**.

4. Enter a word or phrase to search for, and then tap 🔍 **Search** on the keyboard.

Messaging Settings

Configure the settings for text messages, multimedia messages, push messages, and so on.

► From a Home screen, tap ⠿ **Apps** > 🗩 **Messages** > ▤ **Menu** > **Settings**.

Emergency Alerts

This device is designed to receive wireless emergency alerts from the Commercial Mobile Alerting System (CMAS) which may also be known as the Personal Localized Alerting Network (PLAN). For more information, please contact your wireless provider.

Emergency Alerts allows customers to receive geographically-targeted messages. Alert messages are provided by the US Department of Homeland Security and will alert customers of imminent threats to their safety within their area. There is no charge for receiving an Emergency Alert message.

There are three types of Emergency Alerts:

- Alerts issued by the President

- Alerts involving imminent threats to safety of life (Extreme and Severe)

- AMBER Alerts (missing child alert)

Users may choose not to receive Imminent Threats (Extreme and Severe) and AMBER Alerts. Alerts issued by the President cannot be disabled.

To disable Imminent Threats and AMBER Alerts, follow the instructions below:

1. From a Home screen, tap 🗩 **Messages**.

2. Tap ▤ **Menu** > **Settings** > **Emergency alerts**.

3. All alerts are enabled by default (check mark showing). Tap an alert option to disable it.

Music Player

Stream the song to
another device

Volume

Adjust volume

Mark as favorite

Adjust the sound quality
with SoundAlive

Playback position

Shuffle songs

Repeat mode for the song
or playlist

Elapsed playing time

Length of song

Minimize player

Add to playlist

Rewind song or go to previous song

Scan forward or go to next song

Pause/Play
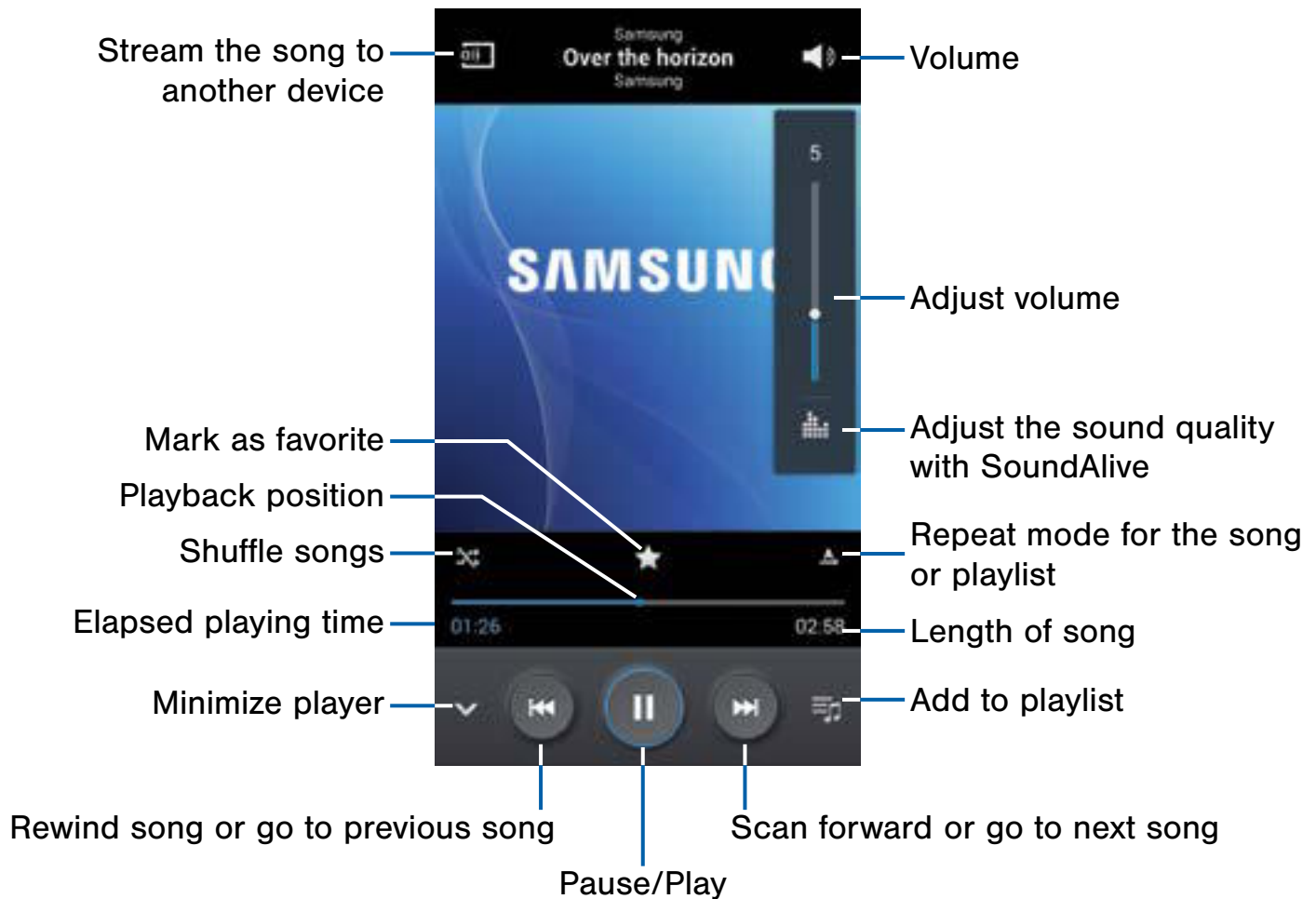
*Listen to your favorite songs
with the Music player. Navigate
through your music library, play
songs, and create customized
playlists.*

Listen to Music

1. From a Home screen, tap ▦ **Apps** > ♪ **Music.**

2. Tap a library category at the top of the screen to
   view your music files.

3. Scroll through the list of songs and tap an entry
   to begin playback.

My Files

Access files stored on your device, including images, videos, songs, and sound clips.

View Files

Files stored in the device are sorted into groups:

- **All files**: View all files on the device.

- **Images**: View image files.

- **Videos**: View video files.

- **Music**: View music and sound files.

- **Documents**: View document files (like written text and spreadsheets).

1. From a Home screen, tap ▦ **Apps** > 📁 **My Files**.

2. Select a group, and then tap a file or folder to open it.

Group Options

► After selecting a group, tap ☰ **Menu** for options:

- **Select all**: Select all files or folders.

- **Create folder**: Create a folder to organize files and folders.

- **Search**: Search for files or folders.

- **View by**: Change the view layout to **List**, **List and details**, or **Thumbnail**.

- **Sort by**: Sort files or folders by **Time**, **Type**, **Name**, or **Size**.

- **Settings**: Modify settings for the My Files app.

S Memo

Create memos using the keypad, your finger, or both. You can add images, voice recordings, and text all in one place.

► From a Home screen, tap ▦ **Apps** > S **S Memo**.

The S Memo screen displays.

To start a new memo:

► Tap ⊞✎ **Drawing mode** to start a new memo in drawing mode using your finger or a compatible onscreen writing tool.

– or –

Tap ⊞T **Text mode** to start a new memo in text mode with the keypad displayed.

Tip: You can change back and forth in a memo between Drawing mode and Text mode.

To open an existing memo:

1. Tap the memo to open it.

2. Tap the screen to enter edit mode.

For additional information:

1. From a Home screen, tap ▦ **Apps** > S **S Memo**.

2. Tap ▭ **Menu** > **Help**.

S Translator

With the S Translator you can easily translate words and phrases into many different languages.

Note: Sign in with your Samsung Account if you have not already done so. For more information, refer to Accounts.

1. From a Home screen, tap ⊞ **Apps** >
    ▦ **S Translator**.

2. At the S Translator screen, tap the top language bar and enter the language that you would like to translate to.

3. Tap the language bar at the bottom of the screen to select your language.

4. Enter text into the upper box and tap
    ◉ **Translate**. It will be translated into your language in the lower box.

    – or –

    Enter text into the lower box and tap
    ◉ **Translate**. It will be translated into the language of the upper box.

5. Tap either of the Speak buttons at the bottom of the screen to translate using either language by using your voice. The translation will appear automatically in the appropriate box.

6. Press ▭ **Menu** for additional options.

S Voice

Speak commands to perform operations on your device, and to speak criteria for searches and other operations.

Use S Voice to find everything from directions to trivia answers to the current weather forecast.

1. From a Home screen, tap ▦ **Apps** > 🎤 **S Voice**.

2. Speak a command.

3. Tap the microphone icon, if the device does not hear you, or to give it another command.

Tip: Tap ▤ **Menu** for example commands and to view a tutorial.

S Voice Settings

These settings allow you to modify settings associated with using the S Voice app.

1. From a Home screen, tap ▦ **Apps** > 🎤 **S Voice**.

2. Tap ▤ **Menu** > **Settings**.

3. Tap an option and follow the onscreen instructions.

Samsung Apps / Galaxy Apps

Samsung Apps is now Galaxy Apps. When you access Samsung Apps, GALAXY Apps will be installed on your device.

Samsung GALAXY Apps is a free storefront that provides a quick and easy way to find and download apps that are compatible with your Galaxy device.

GALAXY Essentials is a collection of specially chosen applications available through Samsung Apps.

From GALAXY Essentials, you can access and download a collection of premium content, free of charge.

To access the Samsung GALAXY Apps website:

► From a Home screen, tap ⋮⋮⋮ **Apps** > ▦ **GALAXY Apps**.

To access GALAXY Essentials:

1. Swipe across the GALAXY Apps screen and then tap **GALAXY Essentials**.

   – or –

   Swipe across the Home screens and locate and tap the GALAXY Essentials widget.

2. Follow the onscreen instructions to download GALAXY Essentials apps specially chosen from Samsung Apps.

Note: A Samsung account is required to purchase and download apps.

Samsung Hub

Samsung Hub makes it easy to find, sample, and purchase movies, TV shows, books, games, and music, in one user-friendly location. With hundreds of titles available, entertaining your family on-the-go has never been easier. You can rent or purchase your favorite content and watch from any location. Samsung Hub is your gateway to mobile entertainment.

Note: You must have an active Samsung Account to purchase and rent content via Samsung Hub.

Note: Samsung Hub usage is based on service availability. You must be using an active Wi-Fi/4G/LTE connection to preview and download a media file.

Note: The internal memory acts as a storage location for your downloaded rental or purchase.

Note: The Samsung account manages the access information (username/password) to several applications, such as Samsung Link, ChatON, and Samsung Hub.

Creating a New Samsung Hub Account

Before you can rent or buy media, you must first create an account. Enter the required information.

1. Log in to your Samsung account if you have not already done so.

2. From a Home screen, tap ⊞ **Apps** > ✳ **Samsung Hub**.

3. When prompted to connect via mobile networks, select either **Cancel** or **Connect**.

4. If notified your Samsung account is not yet active or verified, tap **OK**. You must be signed in to your Samsung account to use the application's various features.

Tip: In some cases it might be necessary to sign in to your Samsung account via the application. Press ▤ **Menu** and then select **Sign in**.

5. Press ▤ **Menu** > **Help** for additional information.

Using Samsung Hub

The main Samsung Hub screen provides an overview of all the available categories on one page such as: Music, Video, Books, and Games. The overview page also displays recently added media that you can rent or purchase.

1. From a Home screen, tap ⊞ **Apps** > ✳ **Samsung Hub**.

    • The landing page displays access for all available categories and recently available content for purchase or rental.

2. Scroll across the screen to select from the following available pages:

    • **BOOKS**: displays featured Book content available for purchase from the Book store. This page also allows you to search for new content, or navigate directly to the Book store page by clicking the "Books" link at the top of the page.

    • **MUSIC**: displays featured Music content available for purchase/stream from the Music store & Radio. This page also allows you to search for new content, or navigate directly to the Music store page by clicking on the "Music" link at the top of the page.

    • **VIDEO**: displays featured film and TV content available for purchase/rent from the video store. This page also allows you to search for new content, or navigate directly to the Movie & TV store page by clicking the "Video" link at the top of the page.

    • **GAMES**: displays featured Game content available from the Game store. This page also allows you to search for new content, or navigate directly to the Game store page by clicking the "Games" link at the top of the page.

3. To purchase or view featured content in more detail, tap on any content (Thumbnail or text) to navigate to the product detail page.

4. Depending on the content, you can either purchase, rent, or stream the content directly from the product detail page.

5. Choose a payment method, then follow the onscreen instructions.

Samsung Hub Notices

• Any media item (Media Content) may be rented or purchased after you create an account in Samsung Hub.

• Media Content that is purchased and downloaded may be viewed concurrently on up to five (5) devices with Samsung Hub (or "the service") that are also registered to the same account.

• You may remove a device from your account no more than once every 90 days.

• You may remove Media Content from a device as many times as you'd like. You will have the ability to re-download the Media Content later subject to content re-download availability and content provider permissions.

• You may need network coverage to access Media Content you have acquired through the Service.

• You can use 3G, 4G, or Wi-Fi connectivity to download Media Content.

• Unlike purchased Media Content, rented Media Content will be viewable on only 1 device in your account at a time.

• Media Content is downloaded and saved to your authorized device's SD card. No SD Card included out of box.

• Your Media Content may pause/stop or not download in networks where there is a weak signal.

• You may begin watching downloaded Media Content as soon as a) license acquisition has occurred and b) sufficient amount of the Media Content has been buffered.

- You must finish watching Media Content within the time limit set out for each piece of content (which may be as short as 24 consecutive hours).

  —Stopping, pausing or restarting rented Media Content does not extend the available viewing time.

  —In no event will rented Media Content be available for a period of more than thirty (30) days (or shorter on a title-by-title basis) after the Media Content has been rented (e.g., if you begin viewing rented Media Content on the 29th day after the rental transaction, but do not finish viewing the entire title, that rented Media Content may not be available for the entire twenty-four (24) consecutive hour period if such period would extend the viewable time beyond the thirty (30) day rental window).

- Unless otherwise restricted by the Content Providers, you can download Media Content to your TV using HDMI connections; otherwise, you cannot play Media Content downloaded from your mobile device output. (4/1/2013)

Samsung Link

This application wirelessly synchronizes your Samsung mobile phone with your TV, streams content and even keeps tabs on who calls or sends text messages with real-time, onscreen monitoring. Samsung's Samsung Link makes staying connected easy.

Samsung Link allows users to share their in-device media content with other external devices using Wi-Fi. Wi-Fi capability can be provided to TVs via a digital multimedia streamer.

Note: You must first connect both of your devices to the same Wi-Fi and be using an active/registered Samsung account prior to using this application. For more information, see Wi-Fi and Wi-Fi Direct.

Note: The Samsung account manages the access information (username/password) to several applications, such as Samsung Link.

1. Confirm you have already logged in to your Samsung account.

2. From a Home screen, tap ⸬ **Apps** > ⊚ **Samsung Link**.

3. If prompted with an onscreen notification about no Wi-Fi detected, tap **Cancel** (to continue by using your mobile data connection) or **Connect** to continue.

4. Tap **Sign in** and follow the onscreen instructions.

Note: If the main screen still shows a **Sign in** box, close the application and restart it.

5. Follow the onscreen prompts.

Configuring Samsung Link Settings

The Samsung Link™ application must first be configured prior to its initial use. You must setup parameters such as connected Wi-Fi, Items to share, source server address, and external device acceptance rights.

1. From a Home screen, tap ⸬ **Apps** > ⊚ **Samsung Link**.

2. Press ▭ **Menu** > **Settings** and configure the following settings as desired:

    - **Registered storage**: allows you to add a Web storage location. Without a storage service/location added, you will not be able to use Samsung Link.

    - **Save to**: allows you to save your media to your internal phone memory or to an SD card.

    - **Auto upload**: allows you to enable automatic upload of images from your device to those storage locations specified within the Web storage list. Move the slider to the on position to activate the feature.

    - **Video optimization**: allows you to setup the video quality for streamed video content. Move the slider to the on position to activate the feature.

    - **Password lock**: allows you to restrict access to Samsung Link by requiring a user enter the currently active and associated Samsung account password. Move the slider to the on position to activate the feature.

    - **My account**: displays Samsung account information.

    - **About this service**: displays application information.

Story Album

With Story Album, you can create a digital Album of your story in media. Special moments will be on a timeline, and if you wish, you can have your album published as a hard copy.

1. From a Home screen, tap **Apps** > **Story Album**.

2. Read the introductory information and tap **Next**.

3. Tap **Start** to begin your Story Album.

4. Follow the onscreen instructions.

5. Press **Menu** > **Help** for additional information.

Usage Manager

This is a shortcut to your Data usage settings for managing your mobile data usage.

► From a Home screen, tap ⋮⋮⋮ **Apps** > 📊 **Usage Manager**.

For more information, see Data Usage.

Video Player

Video file name

Change player

Playback position

Volume

Change screen ratio

Switch to pop-up player

Rewind video or go to previous video

Scan forward or go to next video

Pause/Play
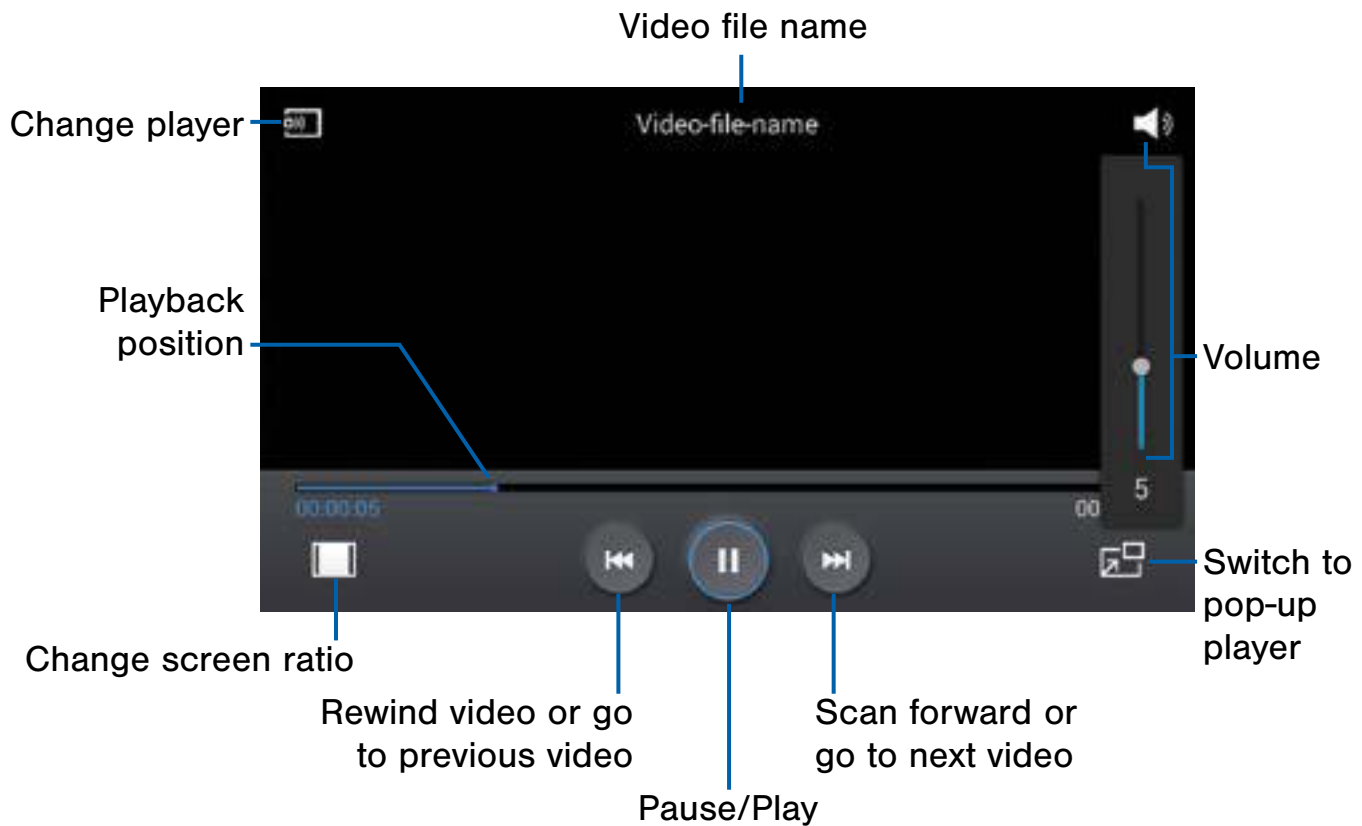
Play and manage videos stored on your device.

To access video:

1. From a Home screen, tap ⊞ **Apps** > ▶ **Video**.

2. Scroll through the videos stored on your device. After a few seconds, each video thumbnail begins playing a preview of the clip.

3. Tap a video to view it.

Use Pop-Up Play

Multi task with Pop-Up Play—transform your video player into a pop-up window. The video will continue to play, and the pop-up window can be resized or moved anywhere on the screen.

1. From a Home screen, tap ⊞ **Apps** > ▶ **Video**.

2. Tap a video to view it.

3. Tap ⬈ to continue playing the video in a floating window.

   • Drag the window to any location on the screen.

   • Use two fingers to pinch or spread to resize the floating window.

Voice Recorder

The Voice Recorder allows you to record an audio file up to one minute long and then immediately share it using Wi-Fi Direct, Messaging, Gmail, or via Bluetooth. Recording time will vary based on the available memory within the phone.

1. From a Home screen, tap ⊞ **Apps** > ▨ **Voice Recorder**.

2. To start recording, tap ⦿ **Record** and speak into the microphone.

3. During the recording process you can either tap ▢ **Stop** to stop and save the recording or ⏸ **Pause** to temporarily halt the recording. After pausing, tap ⦿ **Record** to resume recording. Once the audio recording has stopped, the message is automatically saved. Tap ⊗ **Cancel** to cancel the recording without saving.

4. Tap ⌃ **List** to display a list of all your voice recordings. Tap a voice recording to play it.

5. In the top-right corner of the display is the recording quality icon. Tap to toggle between 🎙 **Normal** and 🎙 **High** quality recording.

6. Press ▤ **Menu** for additional options.

WatchON

WatchON turns your device into a remote control. Not only can you control your TV, set-top box, DVR and other devices from your device, but it will recommend great shows and movies based on your preferences and past viewing behavior.

You can search, discover, explore, and access what's on live TV, and on-demand movies and TV shows across multiple video-on-demand providers.

Note: Before initiating use, verify you have an active Internet connection available (either mobile network or Wi-Fi connection).

Set Up WatchON

1. From a Home screen, tap ⠿ **Apps** > WatchON.

2. Tap **Set up WatchON**.

3. Follow the prompts to configure WatchON options, such as ZIP code, TV service provider, channel list setup, and so on.

Note: Tap ☰ **Menu** > **Help** to learn more about WatchON.

Configure Your Device as a Remote

1. From the WatchON tool bar, tap ⍐ **Remote Control**.

2. Tap **Continue** at the prompt.

3. Follow the instructions to find your TV or other devices and configure your phone to control their operation.

Settings

Configure your device's connections and settings, add accounts, and customize the home screen, apps, and features.

How to Use Settings

- Some options use an **ON/OFF** button to turn the option on (ON) or off (OFF).

- For some options, you must tap a field, such as **Email address**, to display and set options.

- Some options are enabled or disabled by tapping a ✓ check box. When enabled, a check mark displays. Tap the check mark to remove it and disable the option.

Accessing Settings

▶ From a Home screen, tap ⠿ **Apps** > ⚙ **Settings**.

– or –

From a Home screen, drag down from the Status bar to display the Notification panel, and then tap ⚙ **Settings**.

Wi-Fi and Wi-Fi Direct

Wi-Fi is a term used for certain types of Wireless Local Area Networks (WLAN). Wi-Fi communication requires access to a Wireless Access Point (WAP).

Wi-Fi Direct creates a direct connection between two or more devices using Wi-Fi.

Turn Wi-Fi On or Off

Turning Wi-Fi on makes your device able to discover and connect to compatible in-range WAPs.

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings** > **Connections** tab.

2. Tap **Wi-Fi**, and then tap **ON/OFF** to turn Wi-Fi on or off.

Scan and Connect to a Wi-Fi Network

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings** > **Connections** tab.

2. Tap **Wi-Fi**, and then tap **ON/OFF** to turn Wi-Fi on.

3. When Wi-Fi is first turned on, your device will automatically scan for available networks and display them.

4. Tap the network you want to connect to.

   - When you select an open network, you are automatically connected to the network. Otherwise, enter a password to connect.

   - To manually scan for networks, tap **Scan**.

Manually Connect to a Wi-Fi Network

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings** > **Connections** tab.

2. Tap **Wi-Fi**, and then tap **ON/OFF** to turn Wi-Fi on.

3. Tap **Add Wi-Fi network**.

4. Enter information about the Wi-Fi network:

   - Tap **Network SSID** to enter the name of the Wi-Fi network.

   - Tap the **Security** field and select a security option and enter your password.

   - Tap **Show advanced options** if you need to add advanced options such as Proxy settings, IP settings, or Key management.

5. Tap **Connect** to store the new information and connect to your target WAP.

Wi-Fi Status Indicators

These Status Bar icons show your current Wi-Fi connection status:

Displays when Wi-Fi is connected, active, and communicating with a Wireless Access Point (WAP).

A Wi-Fi access point is available, but your device is not connected to it. It may also display if there is a communication issue with the target Wireless Access Point (WAP).

Wi-Fi Settings

The Wi-Fi settings menu allows you to set up many of your device's advanced Wi-Fi services.

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings** > **Connections** tab.

2. Tap **Wi-Fi**, and then tap **ON/OFF** to turn Wi-Fi on.

3. Tap **Smart network switch** to automatically switch between Wi-Fi and mobile networks to maintain a stable Internet connection.

4. Tap ▤ **Menu** for options:

   - **Advanced**:

     – **Network notification**: Receive a notification when new Wireless Access Points (WAPs) are available.

     – **Sort by**: Sort Wi-Fi networks by Alphabet or Signal strength.

     – **Keep Wi-Fi on during sleep**: Specify when to disconnect from Wi-Fi.

     – **Always allow scanning**: Allow Google location service and other apps to scan for networks, even when Wi-Fi is turned off.

     – **Auto connect**: Automatically connect to AT&T Wi-Fi networks, even when Wi-Fi is off.

     – **Install certificates**: Install authentication certificates.

   – **MAC address**: View your device's MAC address, which is required when connecting to some secured networks (not configurable).

   – **IP address**: View your device's IP address (not configurable).

- **WPS push button**: Set up a connection to a WPS (Wi-Fi Protected Setup) router or other equipment.

- **WPS PIN entry**: View the PIN used by your device to set up a PIN-secured connection to a Wi-Fi router or other equipment (not configurable).

- **Help**: Learn about setting up and using Wi-Fi networks, and other settings.

Wi-Fi Direct

Wi-Fi Direct allows direct device-to-device connections via Wi-Fi, without having to connect to a Wi-Fi network.

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings** > **Connections** tab.

2. Tap **Wi-Fi**, and then tap **ON/OFF** to turn Wi-Fi on. Wi-Fi must be on to configure settings.

3. Tap **Wi-Fi Direct**. Your device automatically scans for nearby Wi-Fi Direct devices, or you can tap **Scan** to start scanning.

4. After scanning for devices, select a device, and then follow the prompts to complete the connection.

   - Tap **Multi connect** to scan for devices that support multi connect. Select the devices and follow the prompts to establish the connections.

   - To rename your device (as seen by other devices), tap ▤ **Menu** > **Rename device**.

Wi-Fi Direct Status Indicator

Displays when connected to another device using Wi-Fi Direct.

Bluetooth

Bluetooth is a short-range communications technology that allows you to connect wirelessly to a number of Bluetooth devices, such as headsets and hands-free car Bluetooth systems, and Bluetooth-enabled computers, printers, and wireless devices.

Note: The Bluetooth communication range is approximately 30 feet.

Turn Bluetooth On or Off

1. From a Home screen, tap ⋮⋮⋮ **Apps** > ⚙ **Settings** > **Connections** tab.

2. Tap **Bluetooth**, and then tap **ON/OFF** to turn Bluetooth on or off.

Change Your Device's Name

Change the name others will use when pairing with your device via Bluetooth.

1. From a Home screen, tap ⋮⋮⋮ **Apps** > ⚙ **Settings** > **Connections** tab.

2. Tap **Bluetooth** > ▭ **Menu** > **Rename device**.

3. Tap **Device name** and edit your device name.

Making Your Device Visible to Other Bluetooth Devices

When you make your device visible, other Bluetooth can find it in a scan and initiate pairing. You can choose the length of time your device remains visible.

1. From a Home screen, tap ⋮⋮⋮ **Apps** > ⚙ **Settings** > **Connections** tab.

2. Tap **Bluetooth**, and then tap **ON/OFF** to turn Bluetooth on.

3. Tap **Bluetooth** > ▭ **Menu** > **Visibility timeout**.

4. Select a time period for your device to remain visible after you turn on visibility.

Scan for Bluetooth Devices

When you want to pair with another Bluetooth device, you can scan for nearby devices that are visible.

1. From a Home screen, tap ⋮⋮⋮ **Apps** > ⚙ **Settings** > **Connections** tab.

2. Tap **Bluetooth**, and then tap **ON/OFF** to turn on Bluetooth.

3. When Bluetooth is first turned on, it scans for nearby Bluetooth devices and displays them.

   • To manually perform a new scan, tap **Scan**.

Pair Bluetooth Devices

The Bluetooth pairing process allows you to establish trusted connections between your device and another Bluetooth device.

Pairing between two Bluetooth devices is a one-time process. Once a pairing is created, the devices will continue to recognize their partnership and exchange information without having to re-enter a passcode.

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings** > **Connections** tab.

2. Tap **Bluetooth**, and then tap **ON/OFF** to turn on Bluetooth.

3. Make sure that the target device is discoverable, so that your device can find it. Refer to the instructions that came with the device to find out how to set it to discoverable mode.

4. Tap **Scan**. Your device will start to scan for Bluetooth devices within range.

5. When you see the name of the target device displayed in the Bluetooth devices section, tap the name. Your device then automatically tries to pair with the target device. If automatic pairing fails, enter the passcode supplied with the target device.

Note: Due to different specifications and features of other Bluetooth-compatible devices, display and operations may be different, and functions such as transfer or exchange may not be possible with all Bluetooth compatible devices.

Disconnect a Paired Device (Unpair)

Disconnecting a paired device breaks the connection between the device and your device, but retains the knowledge of the pairing. At a later point when you wish to reconnect the device, there is no need to setup the connection information again.

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings** > **Connections** tab.

2. Tap **Bluetooth**, and then tap **ON/OFF** to turn on Bluetooth.

3. Tap ⚙ **Settings** next to the paired device, and then tap **Unpair** to disconnect.

Review Files Received via Bluetooth

When you receive files from another device via Bluetooth, you can access them from Bluetooth settings.

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings** > **Connections** tab.

2. Tap **Bluetooth** > ▤ **Menu** > **Received files**.

Bluetooth Status Indicators

When Bluetooth is turned on, ⁑ displays in the Status bar.

Data Usage

Monitor your mobile data usage.

Note: Your service provider may account for data usage differently.

1. From a Home screen, tap **Apps** > **Settings** > **Connections** tab > **Data usage** for options:

    - **Mobile data**: Enable mobile data. You can also control Mobile Data at the Notification panel.

    - **Set mobile data limit**: Disable your mobile data connection when the specified limit is reached. Drag the red limit line to set the data usage limit.

    - **Data usage cycle**: Tap the menu, and then choose a time period for data usage. Data usage for the period displays on the graph, along with usage by application below.

2. Tap **Menu**:

    - **Data roaming**: Enable data roaming on your device.

    - **Restrict background data**: Restrict some apps and services from working unless you are connected to a Wi-Fi network.

    - **Auto sync data**: Set your accounts to automatically sync.

    - **Show Wi-Fi usage**: Display a Wi-Fi tab that shows Wi-Fi usage.

    - **Mobile hotspots**: Select Wi-Fi networks that are mobile hotspots. You can restrict apps from using these networks, and you can configure apps to warn you before using these networks for large downloads.

More Networks

The More Networks settings allow you to configure a variety of communication settings for your device.

Airplane Mode

Airplane mode disconnects your device from all networks and turns off connectivity features, such as phone calls and Wi-Fi.

While in airplane mode, you can use other features, such as playing music, watching videos, and other online applications.

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings** > **Connections** tab > **More networks**.

2. Tap **Airplane mode**, and then tap **ON/OFF** to enable or disable the option.

Note: You can also control Airplane mode from the Device options menu. Press and hold the **Power/Lock key**, and then tap **Airplane mode**.

Default Messaging App

If you have multiple messaging apps installed, you can select which app should be your default messaging app.

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings** > **Connections** tab > **More networks**.

2. Tap **Default messaging app** to select a default.

Printing

Print images and documents to Samsung printers and other compatible printers (not included).

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings** > **Connections** tab > **More networks** > **Printing**.

2. Tap a print service and follow the prompts.

Note: Tap ➕ **Download plug-in** to install additional print service drivers.

Mobile Networks

Control your device's access to networks and mobile data service.

► From a Home screen, tap ▦ **Apps** > ⚙ **Settings** > **Connections** tab > **More networks** > **Mobile networks** for options:

- **Mobile data**: Allow your device to connect to a mobile data network.

- **Data Roaming**: Allow your device to connect to data services while roaming. Significantly higher charges may result.

- **Access Point Names**: Create and edit Access Point names (APNs).

- **Network operators**: Search for available networks.

Tethering and Wi-Fi Hotspot

Share your device's Internet connection with a computer that connects to your device using a USB cable or via Bluetooth.

Use Portable Wi-Fi hotspot to share your device's Internet connection with other devices using your device as a Portable Wi-Fi hotspot.

Note: You must have a tethering plan on your service account in order to use the Portable Wi-Fi hotspot.

Warning! Portable Wi-Fi hotspot consumes battery power and uses data service.

Connect Your Device to a Computer Using Tethering

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings** > **Connections** tab > **More networks** > **Tethering and Wi-Fi hotspot**.

2. Choose a tethering method:

   • **USB tethering**: Connect the computer to the device using the USB cable, and then tap **USB tethering** to turn tethering on.

Turn Portable Wi-Fi Hotspot On or Off

Activate your device's Portable Wi-Fi hotspot application to allow other devices to use your device's Internet connection.

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings** > **Connections** tab > **More networks** > **Tethering and Wi-Fi hotspot**.

2. Tap **ON/OFF** to turn Portable Wi-Fi hotspot on or off.

Warning! By default, your device's Portable Wi-Fi hotspot has no security applied, and any device can connect. For more information, see Configure Portable Wi-Fi Hotspot Settings.

Connect a Device to Your Mobile Hotspot

Use the other device's Wi-Fi control to connect to your device's Portable Wi-Fi hotspot.

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings** > **Connections** tab > **More networks** > **Tethering and Wi-Fi hotspot**.

2. Tap **ON/OFF** to turn on Portable Wi-Fi hotspot.

3. Activate Wi-Fi on the target device.

4. Scan for Wi-Fi hotspots and select the target device from the list.

5. On the target device, enter your device's Portable Wi-Fi hotspot password. By default, the password is your device's phone number.

Allowed Device List

Control whether devices connect to your Portable Wi-Fi hotspot with the Allowed device list. After you add devices to the list, they can scan for your device and connect using your device's Portable Wi-Fi hotspot name and password.

Note: While Portable Wi-Fi hotspot is active, your device's applications will use the Portable Wi-Fi hotspot data service. Roaming while using your device as a Portable Wi-Fi hotspot will incur extra data charges.

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings** > **Connections** tab > **More networks** > **Tethering and Wi-Fi hotspot** > **Mobile Hotspot**.

2. Tap **ON/OFF** to turn on Portable Wi-Fi hotspot.

3. Tap **Allowed devices**, and then tap ➕ **Add** to enter the other device's Device name and MAC address.

4. Tap **OK** to add the device.

Change the Portable HotSpot Password

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings** > **Connections** tab > **More networks** > **Tethering and Wi-Fi hotspot** > **Mobile Hotspot**.

2. Tap **ON/OFF** to turn on Portable Wi-Fi hotspot.

3. Tap the **Security** field and select **WPA2 PSK** and enter a new password.

Turn Off Portable Wi-Fi Hotspot Automatically

Set your device to automatically turn off Portable Wi-Fi hotspot if there are no connected device.

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings** > **Connections** tab > **More networks** > **Tethering and Wi-Fi hotspot** > **Mobile Hotspot**.

2. Tap **ON/OFF** to turn on Portable Wi-Fi hotspot.

3. Tap ▤ **Menu** > **Timeout settings** and select an amount of time.

Configure Portable Wi-Fi Hotspot Settings

Manage your Portable Wi-Fi hotspot security and connecting settings.

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings** > **Connections** tab > **More networks** > **Tethering and Wi-Fi hotspot** > **Mobile Hotspot**.

2. Tap **Configure**:

    *   **Network SSID**: View and change the name of your Portable Wi-Fi hotspot.

    *   **Hide my device**: Make your Portable Wi-Fi hotspot invisible to other Wi-Fi devices during a scan. Other devices can still connect to your Portable Wi-Fi hotspot, but will have to set up the connection manually with your Network SSID and Password.

    *   **Security**: Choose the security level for your Portable Wi-Fi hotspot.

    *   **Password**: If you choose a security level that uses a password, enter the password. By default, the password is your device's phone number.

    *   **Show password**: Display your password instead of masking it.

    *   **Show advanced options**: Access advanced options, including Broadcast channel, and to specify the channel your device uses for Portable Wi-Fi hotspot.

VPN

Set up and manage your Virtual Private Networks (VPNs).

Note: You must set a screen lock PIN or password before setting up a VPN. For more information, see Lock Screen.

Adding a VPN

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings** > **Connections** tab > **More networks** > **VPN**.

2. Tap **Basic VPN** or **Advanced IPSec VPN**.

3. Follow the prompts to set up your VPN.

Connect to a VPN

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings** > **Connections** tab > **More networks** > **VPN**.

2. Tap **Basic VPN** or **Advanced IPSec VPN**.

3. Tap the VPN, enter your log in information, and tap **Connect**.

Edit or Delete a VPN

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings** > **Connections** tab > **More networks** > **VPN**.

2. Tap **Basic VPN** or **Advanced IPSec VPN**.

3. Touch and hold the VPN that you want to edit or delete.

Sharing Files with NFC

NFC (Near Field Communication) allows data exchange when you touch your device with another compatible device. This is used for applications such as Android Beam and S Beam.

To activate NFC:

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings** > **Connections** tab > **NFC**.

2. Tap **ON/OFF** to turn NFC on.

Android Beam

When Android Beam is activated, you can beam app content to another NFC-capable device by holding the devices close together. You can beam browser pages, YouTube videos, contacts, and more.

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings** > **Connections** tab > **NFC**.

2. Tap **ON/OFF** to turn NFC on.

3. Tap **ON/OFF** to turn **Android Beam** on.

4. Touch the back of your device with another NFC-capable device and the content is transferred.

Tap and Pay

Tap and pay allows you to select the default payment application you want to use for making on-phone purchases.

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings** > **Connections** tab > **NFC**.

2. Tap **ON/OFF** to turn NFC on.

3. Tap **Tap and pay**.

4. Select the app that you want as your default.

S Beam

When S Beam is activated, you can beam files to another NFC-capable device by holding the devices close together.

You can beam images and videos from your Gallery, music files from your Music app, and more.

1. From a Home screen, tap ⸬ **Apps** > ⚙ **Settings** > **Connections** tab.

2. Find **S Beam** and tap the **ON/OFF** button to turn S Beam on.

3. Touch the back of your device with another NFC-capable device and the content is transferred.

Nearby Devices

Share your media files with nearby devices via Wi-Fi, Wi-Fi Direct, or Mobile Hotspot.

Warning! If file sharing is enabled, other devices can access your data. Use this option with care.

1. From a Home screen, tap ⚏ **Apps** > ◎ **Settings** > **Connections** tab > **Nearby devices**.

2. Find **Nearby devices** and tap the **ON/OFF** button to enable Nearby devices.

3. Set the following options:

   - **Content to share**: Select the content to share. Choices are: Videos, Photos, and Music.

   - **Allowed devices**: Indicate the devices accessible to your device.

   - **Denied devices**: Indicate devices not allowed access to your device.

   - **Download to**: Allow downloading of data to your device or optional memory card (not included).

   - **Receive files from other devices**: Warn if a device attempts to upload data to your device.

Screen Mirroring

Share Your Device's Screen with Another Device.

1. From a Home screen, tap ::: **Apps** > ◎ **Settings** > **Connections** tab > **Screen Mirroring**.

2. Tap **ON/OFF** to enable Screen Mirroring. Available devices are listed.

3. Tap **Scan** to find more devices.

4. Tap a device and follow the prompts to connect.

Lock Screen

Choose a method for unlocking your screen. Different Screen Locks have different levels of security and options.

Set a Screen Lock

1. From a Home screen, tap ⊞ **Apps** > ⚙ **Settings** > **My device** tab > **Lock screen**.

2. Tap **Screen lock** to select a screen lock and level of security:

   - **Swipe**: Swipe the screen to unlock it. This option provides no security.

   - **Face unlock**: Look at your phone to unlock it.

   - **Face and voice**: Look at your phone and speak to unlock it.

   - **Pattern**: A screen unlock pattern is a tap gesture you create and use to unlock your device. This option provides medium security.

   - **PIN**: Select a PIN to use for unlocking the screen. This option provides medium to high security.

   - **Password**: Create a password for unlocking the screen. This option provides high security.

   - **None**: Never use a Lock screen.

Screen Lock Options

Swipe

- **Multiple widgets**: Tap to enable multiple widgets on the lock screen.

- **Lock screen widgets**: Customize widgets on the lock screen, such as clocks and a personal message.

- **Shortcuts**: Select shortcuts to appear on the lock screen.

- **Unlock effect**: Set the visual effect used when unlocking the screen.

- **Help text**: Display help text on the lock screen.

- **Wake up in lock screen**: Use spoken wake-up commands when Swipe lock is enabled.

- **Set wake-up command**: Configure up to four verbal wake-up commands.

Face Unlock and Face and Voice

- **Lock screen widgets**: Customize widgets on the lock screen, such as clocks and a personal message.

- **Improve facial recognition**: Add more facial recognition captures to compensate for such variations as different lighting, wearing or not wearing glasses, and being clean-shaven or bearded.

- **Presence check**: Tap to require blinking to confirm that a live person is trying to unlock the device.

- **Secured lock time**: Set the time limit of inactivity before the screen lock takes effect.

Pattern, PIN, and Password

- **Lock screen widgets**: Customize widgets on the lock screen, such as clocks and a personal message.

- **Make pattern visible**: Display the lock pattern as you draw it (**Pattern** lock only).

- **Secured lock time**: Set the time limit of inactivity before the screen lock takes effect.

Display Settings

Adjust display options and features, including the wallpaper, Multi window, screen brightness, and font options.

► From a Home screen, tap ⬚⬚ **Apps** > ⚙ **Settings** > **My device** tab > **Display**. The following options are shown:

- **Wallpaper**: Set the Wallpaper for your Home screen, Lock screen, or both.

- **Notification panel**: Set the brightness of your notification panel, and select the quick setting buttons that you want displayed at the top of the notification panel.

- **Screen mode**: Select from several different color modes.

- **Brightness**: Configures the LCD Brightness levels. Tap **Automatic brightness** to allow the phone to self-adjust or drag the slider and **OK**.

- **Auto rotate screen**: Switch the display orientation automatically when you rotate the phone.

- **Screen timeout**: Adjust the delay time before the screen automatically turns off. Selections are: 15 seconds, 30 seconds, 1 minute, 3 minutes, 5 minutes, and 10 minutes.

- **Daydream**: Control what your screen does when your device is docked or sleeping. Tap the **ON/OFF** icon next to Daydream to turn it on . Follow the onscreen instructions.

- **Font style**: Set the font style that your phone will use. You can also tap **Download** to choose from a wider selection.

- **Font size**: Select which size of font is displayed.

- **Touch key light duration**: Adjust the delay before the Touch key light automatically turns off.

- **Show battery percentage**: See the battery charge percentage next to the battery charge icon at the top of the display.

- **Edit after screen capture**: Go to an edit screen immediately after taking a screen capture.

- **Auto adjust screen tone**: Adjust the display brightness based on the onscreen image to save power.

Change the Wallpaper

1. From a Home screen, tap ⬚⬚ **Apps** > ⚙ **Settings** > **My device** tab > **Display** > **Wallpaper**.

2. Tap **Home screen**, **Lock screen**, or **Home and lock screens**.

3. Tap a image to preview it, and then tap **Set wallpaper**.

Edit the Notification Panel

Customize which Quick setting buttons appear on the Notification Panel.

► From a Home screen, tap ▦ **Apps** > ⚙ **Settings** > **My device** tab > **Display** > **Notification panel**.

   – or –

   From the Notification panel, tap ▥ **View all** > ✎ **Edit**.

To adjust screen brightness from the Notification panel:

► Tap the **Brightness adjustment** field. A brightness slider appears on the Notification Panel for quick adjustment.

To customize which quick setting buttons appear at the top of the Notification Panel:

► Tap and drag buttons to reorder them.

To use the default layout:

► Tap ↺ **Reset**.

Select a Screen Mode

Choose a screen mode to match your type of viewing. You can choose to have the device automatically adapt the display depending on the type of image being displayed, and other criteria such as battery level.

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings** > **My device** tab.

2. Tap **Display** > **Screen mode**, and then choose a screen mode.

   • To have your device automatically optimize the display to match the type of image being displayed and other criteria, such as battery level, tap **Adapt display**.

      – or –

      Choose a specific type of screen mode based on what your are viewing.

Adjust the Screen Brightness

Adjust the screen brightness to suit your surroundings or personal preference. You may also want to adjust screen brightness to conserve battery power.

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings** > **My device** tab.

2. Tap **Display** > **Brightness** for options:

   • Tap **Automatic brightness** to allow the device to adjust brightness automatically.

   • To set a custom brightness level, clear the Automatic brightness check mark and drag the **Brightness level**.

Note: You can also control Brightness from the Notification panel. Drag down the Status bar at the top of the screen to find the Brightness options.

Automatically Rotate the Screen

Rotate the screen based on the orientation of the device.

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings** > **My device** tab.

2. Tap **Display** > **Auto rotate screen**.

Set the Screen Timeout Delay

Choose how long the display screen remains lit after you tap the screen or press any key.

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings** > **My device** tab.

2. Tap **Display** > **Screen timeout**, and then choose a time period.

Daydream (Screen Saver)

The Daydream setting controls what the screen displays when the device is docked (dock not included), or while charging. You can choose to display colors, or display photos stored on your device.

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings** > **My device** tab.

2. Tap **Display** > **Daydream**. Tap **ON/OFF** to turn Daydream on. Configure options:

   - **Colors**: Tap the selector to display a changing screen of colors.

   - **Flipboard**: Display pictures from Flipboard. Tap ⚙ **Settings** for options.

   - **Google Photos**: Display pictures from your Google Photos account. Tap ⚙ **Settings** for options.

   - **Photo frame**: Display pictures in a photo frame. Tap ⚙ **Settings** for options.

   - **Photo table**: Display pictures in a photo table. Tap ⚙ **Settings** for options.

3. Tap **Start now** to see a demonstration of Daydream.

Change the Font Style and Size

You can set the font style and size for all text that displays on the screen.

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings** > **My device** tab > **Display**.

2. Tap **Font style** to choose a font style and font size.

   - Tap **Download** to find new fonts from the Google Play Store.

3. Tap **Font size** to change text size.

Set the Touch Key Light Duration

Set the length of time the ▭ **Menu** and ↰ **Back** keys remain lit after you touch them.

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings** > **My device** tab.

2. Tap **Display** > **Touch key light duration** to choose a timeout period.

Show Battery Percentage

You can show or hide the battery charge percentage in the Status Bar.

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings** > **My device** tab > **Display**.

2. Tap **Show battery percentage** to enable this feature.

Edit a Screen Capture

You can choose to edit a screen capture immediately after taking it.

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings** > **My device** tab > **Display**.

2. Tap **Edit after screen capture** to enable it.

Auto Adjust Screen Tone

You can enable the display to adjust brightness based on the onscreen image.

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings** > **My device** tab > **Display**.

2. Tap **Autoadjust screen tone** to enable it.

Sound Settings

Configure the sounds and vibrations used to indicate notifications, screen touches, and other activities.

Adjust the Volume

Set the system volume level, and set default volume for call ringtones, notifications, and other audio.

Tip: You can also set System volume from the home screen by pressing the **Volume** key.

1. From a Home screen, tap ▦ **Apps** > ◉ **Settings** > **My device** tab.

2. Tap **Sound** > **Volume**, and then drag the sliders to set the default volume for:

   • Ringtone

   • Music, video, games, and other media

   • Notifications

   • System

Set the Vibration Intensity

Set the amount of vibration for incoming calls, notifications, and haptic feedback.

1. From a Home screen, tap ▦ **Apps** > ◉ **Settings** > **My device** tab.

2. Tap **Sound** > **Vibration intensity**.

3. Drag the sliders to set the various vibration intensities.

Select a Default Ringtone

Choose from preset ringtones or add your own.

1. From a Home screen, tap ▦ **Apps** > ◉ **Settings** > **My device** tab.

2. Tap **Sound** > **Ringtones**.

3. Tap a ringtone to hear a preview, and then tap **Done** to set it as your default ringtone.

   – or –

   Tap **Add** to use an audio file as a ringtone.

Select a Default Vibration Pattern

Choose from preset vibration patterns or create your own pattern.

1. From a Home screen, tap ▦ **Apps** > ◉ **Settings** > **My device** tab.

2. Tap **Sound** > **Vibrations**.

3. Tap a pattern to preview it, and then tap **OK** to set it as your default vibration pattern.

   – or –

   Tap **Create** and follow the prompts to create a new vibration pattern.

Change the Notification Sound

Choose a sound for notifications, such as for new messages and event reminders.

1. From a Home screen, tap ▦ **Apps** > ◉ **Settings** > **My device** tab.

2. Tap **Sound** > **Notifications**.

3. Tap a sound to preview it, and then tap **Done** to set it as your default notification sound.

Vibrate When Ringing

Your device can vibrate in addition to ringing when you receive a call.

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings** > **My device** tab.

2. Tap **Sound** > **Vibrate when ringing** to turn the feature on.

Play Tones When Entering a Phone Number

Play tone when the dialing keypad is tapped.

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings** > **My device** tab.

2. Tap **Sound** > **Dialing keypad tone** to turn the feature on.

Play Tones When Touching or Tapping the Screen

Play tones when you touch or tap the screen to make selections.

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings** > **My device** tab.

2. Tap **Sound** > **Touch sounds** to turn the feature on.

Set the Screen Lock Sound

Play a sound when you unlock the screen.

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings** > **My device** tab.

2. Tap **Sound** > **Screen lock sound** to turn the feature on.

Use Haptic Feedback

Set the device to vibrate when you tap the Menu and Back keys, and for certain screen interactions.

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings** > **My device** tab.

2. Tap **Sound** > **Haptic feedback** to turn the feature on.

Set Notification Sounds for Samsung Applications

Choose notification alerts for new calls, messages, email, and calendar events.

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings** > **My device** tab.

2. Tap **Sound** for options:

   • **Call**: Configure call notifications and alerts.

   • **Messages**: Configure messaging notifications and alerts.

   • **Email**: Configure email account notifications.

   • **Calendar**: Configure event notifications.

Play a Sound When Using the Samsung Keyboard

Play a tone when keys are tapped on the Samsung Keyboard.

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings** > **My device** tab > **Sound**.

2. Tap each option to activate the feature:

   • **Sound when tapped**: Enables auditory feedback when you touch an onscreen key.

   • **Vibrate when tapped**: Enables the device to vibrate when you touch an onscreen key.

HDMI

You can select the audio output time on an HDMI connection.

1. From a Home screen, tap ⠿ **Apps** > ⚙ **Settings** > **My device** tab > **Sound** > **Audio output**.

2. Tap either **Stereo** or **Surround**.

Home Screen Mode

Switch between the standard screen layout and a simpler layout. The Easy Mode layout has larger text and icons, making for a more straightforward visual experience.

To enable Easy Mode:

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings** > **My device** tab > **Home screen mode**.

2. Tap **Easy mode** > **Apply** to enable this feature.

Call

Adjust settings for phone calls.

To access the Call settings menu:

► From a Home screen, tap ⬚ **Apps** > ⚙ **Settings** > **My device** tab > **Call**.

– or –

From a Home screen, tap 📞 **Phone** > ☰ **Menu** > **Call settings**.

Call Rejection

1. From a Home screen, tap ⬚ **Apps** > ⚙ **Settings** > **My device** tab > **Call** > **Call rejection**.

2. Tap **Auto reject mode** and tap one of the following options:

   • **Off**: Turn off Auto reject mode.

   • **All numbers**: Reject all calls.

   • **Auto reject numbers**: Reject all calls from numbers in your Reject list.

3. Tap **Auto reject list**.

4. Tap ➕ **Create** to manually add numbers to the Reject list.

Set Rejection Messages

1. From a Home screen, tap ⬚ **Apps** > ⚙ **Settings** > **My device** tab > **Call** > **Set up call rejection messages**.

2. Tap ➕ **Create** to add a reject message.

   – or –

   Tap one of the prewritten messages to be displayed when you want the call to be rejected. You can edit the message if desired.

3. Tap **Save** to save the reject message.

Answering and Ending Calls

1. From a Home screen, tap ⬚ **Apps** > ⚙ **Settings** > **My device** tab > **Call** > **Answering/ending calls**.

2. The following options are available:

   • **The home key answers calls**: Tap this option to answer incoming calls by pressing the **Home** key.

   • **Voice control**: Tap this option to be able to accept incoming calls by using your voice.

   • **The power key ends calls**: This option will allow you to end a call by pressing the power key without turning off the screen.

Turn Off Screen During Calls

This option turns on the proximity sensor during calls so that your phone will know to turn the screen off to save power.

► From a Home screen, tap ⬚ **Apps** > ⚙ **Settings** > **My device** tab > **Call** > **Turn off screen during calls** to enable the feature.

Call Alerts

1. From a Home screen, tap ⠿ **Apps** >
   ⚙ **Settings** > **My device** tab > **Call** >
   Call alerts.

2. Tap the following options to activate the features:

   - **Answer vibration**: Your phone vibrates when
     the called party answers the phone.

   - **Call-end vibration**: Your phone vibrates when
     the call ends.

   - **Call connect tone**: Your phone plays a tone
     when a call is connected.

   - **Minute minder**: Your phone beeps twice every
     minute that you are on a call.

   - **Call end tone**: Your phone plays a tone when
     a call is ended.

   - **Alerts on call**: Turn on alarm and message
     notifications during a call.

Call accessories

1. From a Home screen, tap ⠿ **Apps** >
   ⚙ **Settings** > **My device** tab > **Call** >
   Call accessories.

2. Tap the following options to configure:

   - **Automatic answering**: Configure the device to
     automatically answer and incoming call when
     a headset is detected.

   - **Automatic answering timer**: Configure the
     time delay before the device automatically
     accepts an incoming call.

   - **Outgoing call conditions**: Set your phone to
     allow you to make calls even when the device
     is locked.

Additional settings

1. From a Home screen, tap ⠿ **Apps** >
   ⚙ **Settings** > **My device** tab > **Call** >
   Additional settings.

2. Tap one of the following options:

   - **Caller ID**: allows you to choose how your
     Caller ID will be displayed. Select Network
     default, Hide number, or Show number.

   - **Call forwarding**: allows you to forward your
     calls to another number.

   - **Auto area code**: allows you to automatically
     prepend a specific area code to all outbound
     calls.

   - **Call waiting**: the network service informs you
     when someone is trying to reach you during
     another call. Tap to activate.

   - **Auto redial**: automatically redials the last
     number if the call was either cut off or was
     unable to connect. Tap to activate.

   - **Fixed dialing numbers**: allows you to restrict
     outgoing calls to a limited set of phone
     numbers.

Ringtones and Keypad Tones

1. From a Home screen, tap ⠿ **Apps** >
   ⚙ **Settings** > **My device** tab > **Call** >
   Ringtones and keypad tones.

2. Tap one of the following options:

   - **Ringtones**: Select a ringtone and tap **OK**.

   - **Vibrations**: Select a vibration type and
     tap **OK**.

   - **Vibrate when ringing**: Enable to make your
     phone vibrate for incoming calls.

   - **Dialing keypad tones**: Enable if you want
     tones to play when the keypad is pressed.

Personalize Call Sound

This option allows you to personalize the sounds you hear during a call with and without earphones.

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings** > **My device** tab > **Call** > **Personalize call sound**.

2. Tap one of the following options:

    *   **In-call sound EQ**: the In-call sound equalizer allows you to set your call sound during calls. Select from Off, Soft sound, Clear sound, Adapt Sound left, or Adapt Sound right.

    *   **Adapt Sound**: allows you to customize your sounds. Follow the onscreen instructions to set up your personal call sound.

Noise reduction

This option helps to suppress background noise from your side during a call.

► From a Home screen, tap ▦ **Apps** > ⚙ **Settings** > **My device** tab > **Call** > **Noise reduction** to enable the feature.

Increase Volume in Pocket

This option increases the ringtone volume when the device is in a pocket or a bag. It uses the proximity sensor to detect its location.

► From a Home screen, tap ▦ **Apps** > ⚙ **Settings** > **My device** tab > **Call** > **Increase volume in pocket** to enable the feature.

Voicemail Service

► From a Home screen, tap ▦ **Apps** > ⚙ **Settings** > **My device** tab > **Call** > **Voicemail Service**.

Voicemail service provided by your carrier is the default.

Voicemail Settings

If available, you can view or modify your voicemail number from this menu.

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings** > **My device** tab > **Call** > **Voicemail settings**.

2. Tap the **Voice mail number** field, backspace to erase the digits, and enter a new voicemail number using the keypad, then tap **OK**.

Sound

You can select a unique ringtone for Voicemail alerts.

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings** > **My device** tab > **Call** > **Sound**.

2. Tap a ringtone to hear it played.

3. Select a ringtone and tap **OK**.

Vibrate

This option allows you select vibration settings for Voicemail alerts.

► From a Home screen, tap ▦ **Apps** > ⚙ **Settings** > **My device** tab > **Call** > **Vibrate** to activate the Vibrate feature.

TTY Mode

A TTY (also known as a TDD or Text Telephone) is a telecommunications device that allows people who are deaf, hard of hearing, or who have speech or language disabilities, to communicate by telephone.

Your phone is compatible with select TTY devices. Please check with the manufacturer of your TTY device to ensure that it is compatible with digital cell phones.

Your phone and TTY device will connect via a special cable that plugs into your phone's headset jack. If this cable was not provided with your TTY device, contact your TTY device manufacturer to purchase the connector cable.

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings** > **My device** tab > **Call** > **TTY mode**.

2. Tap **TTY Full**, **TTY HCO**, or **TTY VCO** to activate the mode. Tap **TTY Off** to turn off this feature.

Hearing Aids

This option allows you to turn on Hearing aid compatibility on your device.

► From a Home screen, tap ▦ **Apps** > ⚙ **Settings** > **My device** tab > **Call** > **Hearing aids** to enable the Hearing aid compatibility feature.

Blocking Mode

Turn off notifications for selected features.

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings** > **My device** tab > **Blocking mode**.

2. Tap **ON/OFF** to turn the feature on and configure these options:

   - Tap **Block incoming calls** to block all calls except for the people on your allowed list.

   - Tap **Turn off notifications** to block all notifications.

   - Tap **Turn off alarm and timer** to block all alarms.

   - The SET TIME option allows you to set Blocking mode for a specific time range or to always keep it on.

     - Tap the **Always** field to disable it and configure the **From** and **To** time fields.

   - **Allowed contacts**: Add contacts to your allowed list.

   - **Allowed contact list**: Manage your allowed list.

Note: When Blocking Mode is enabled, ⊖ displays in the Status Bar.

Hands-free Mode

When Hands-free mode is enabled, incoming calls and notifications are read out automatically.

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings** > **My device** tab > **Hands-free mode**.

2. Tap **ON/OFF** to turn the feature on and configure these options:

    *   **Incoming call**: Read out callers' information when receiving incoming calls.

    *   **Messages**: Read out senders' information when receiving incoming calls.

    *   **Alarm**: Read out alarm information when alarms sound.

    *   **Calendar event info**: read out scheduled alarm information when alarms sound.

Note: When Hands-Free mode is active, ⊙ displays in the Status Bar.

Power Saving

Conserve battery power by automatically adjusting the screen brightness, limiting the performance of the CPU, and other power reduction activities.

Ultra power saving mode saves even more battery power by using a gray scale theme on the Home screen and limiting the number of usable apps.

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings** > **My device** tab > **Power saving mode**.

2. Tap **ON/OFF** to turn the feature on.

3. Tap the following options to create a check mark and conserve power:

   - **CPU performance**: Limit the maximum performance of the CPU.

   - **Screen output**: Lower the screen power level.

   - **Disable haptic feedback**: Turn off vibration when you tap or touch the screen.

4. Tap **Learn about power saving** to learn about various ways to conserve battery power.

Accessories

Configure options when using HDMI audio devices (not included) or using a book cover (not included).

► From a Home screen, tap ⚏ **Apps** > ⚙ **Settings** > **My device** tab > **Accessories** for options:

- **Automatic unlock**: If you are using a phone cover, unlock your phone when you open the cover.

- **Audio output**: Select a sound output format to use when connecting your device to HDMI devices (not included). Some devices may not support the surround sound setting.

Accessibility

Accessibility services are special features that make using the device easier for those with certain physical disabilities.

Note: You can download additional accessibility applications from the Google Play Store.

► From a Home screen, tap ▦ **Apps** > ⚙ **Settings** > **My device** tab > **Accessibility** for options:

- **Auto rotate screen**: Activate this feature to automatically rotate available screens.

- **Screen timeout**: Timeout the accessibility feature after a defined amount of time.

- **Secured lock time**: Lock the screen automatically after a selected amount of time.

Note: The **Secured lock time** function is only available if your device is already using the screen lock feature.

- **Speak passwords**: Read the characters aloud as you enter your passwords.

- **Answering/ending calls**: Select the methods you can use to answer and end a call.

- **Show shortcut**: Select shortcuts to add to the **Device options** window, which appears when you press and hold the **Power/Lock** key.

- **Manage accessibility**: Save and update your accessibility settings or share them with another device.

Services

- **TalkBack**: Speak feedback aloud to help blind and low-vision users.

Note: TalkBack can collect all of the text you enter, except passwords, including personal data and credit card numbers. It may also log your user interface interactions with the device.

Vision

- **Font size**: Set the font size.

- **Magnification gestures**: Use exaggerated gestures such as triple-tapping, double pinching, and dragging two fingers across the screen.

- **Negative colors**: Reverse the display of onscreen colors from White text on a Black background to Black text on a White background.

- **Color adjustment**: Adjust the color of the screen if you are color blind or have difficulty reading the display because of the screen color. Tap **Color adjustment** for options.

- **Accessibility shortcut**: Quickly enable accessibility features in two quick steps. Tap **ON/OFF** to turn the feature on.

- **Text-to-speech options**: Set your preferred TTS engine and options. For more information, see Text-To-Speech Options.

Hearing

- **Sound balance**: Use the slider to set the Left and Right balance when using a stereo device.

- **Mono audio**: Switch audio from stereo to mono for use with one earphone.

- **Turn off all sounds**: For privacy, turn off all notifications and audio.

- **Hearing aids**: Improve the sound quality of your device for use with hearing aids.

- **Google subtitles (CC)**: Use Google subtitles with multimedia files when available. Tap Google subtitles (CC) for options.

- **Samsung subtitles (CC)**: Use Samsung subtitles with multimedia files when available Tap Samsung subtitles (CC) for options.

Dexterity

- **Assistant menu**: Improve the device accessibility for users with reduced dexterity.

- **Press and hold delay**: Select a time interval for this tap gesture.

Recognition

- **Interaction control**: Block areas of the screen from touch interaction. Disable Auto rotate screen and hard key functions. Only show application notifications in the Notification Panel and the Status bar.

Browser Bar

This option displays a menu that lets you configure the Browser Bar that gives you quick access to your favorite content when browsing the Internet.

▶ From a Home screen, tap ▦ **Apps** > ⚙ **Settings** > **My device** tab > **Browser Bar**:

- **About**: Tap to display description and Browser Bar release and copyright information.

- **Toolbar**: Tap the **ON/OFF** button next to Toolbar to turn the Browser Bar on.

- **Active Browsers**: Tap to select which web browsers on your phone will have the Browser Bar.

- **Autoshow**: Tap the **ON/OFF** button to set the Browser Bar to automatically display whenever you browse a new web page.

- **Manage Extensions**: Tap to rearrange and select which shortcuts appear on the Browser Bar.

- **Privacy Policy**: Tap to display the Browser Bar vendor's privacy policy.

- **Analytics**: Tap to enable or disable collection of Browser Bar analytical data.

- **Clear Cookies**: Tap to erase Browser Bar cookies, tokens, history, and cached information.

- **Toolbar Handle Position**: Tap to set the position of the Toolbar Handle.

Language and Input Settings

Configure your device's language and input settings.

Set Your Default Language

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings** > **My device** tab.

2. Tap **Language and input** > **Language**.

3. Select a language from the list.

Select Your Default Keyboard or Input Method

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings** > **My device** tab.

2. Tap **Language and input** > **Default**.

3. Select a keyboard.

Note: Additional keyboards can be downloaded from the Google Play Store.

Samsung Keyboard Settings

Configure options for using the Samsung keyboard.

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings** > **My device** tab.

2. Tap **Language and input**.

3. Tap ⚙ **Settings** next to Samsung keyboard for options:

   - **Select input languages**: Choose which languages are available on the keyboard. To switch between languages, slide the space bar sideways.

   - **Predictive text**: Allow Predictive text to suggest words matching your text entries, and, optionally, complete common words automatically. Predictive text can learn your personal writing style from your contacts, messages, Gmail, and social networking sites—improving its accuracy of predicting your text entries.

   - Additional keyboard settings provide assistance with capitalization, punctuation, and much more.

Google Voice Typing Settings

Speak rather than type your text entries using Google Voice Typing.

1. From a Home screen, tap ⊞ **Apps** > ⚙ **Settings** > **My device** tab > **Language and input**.

2. Tap ⚙ **Settings** next to Google voice typing for options:

   - **Choose input languages**: Select languages for Google voice typing.

   - **Block offensive words**: Hide words many people find offensive are in results of Google voice searches. Offensive words are replaced in results with a placeholder (####).

   - **Offline speech recognition**: Download and install speech recognition engines, allowing you to use voice input while not connected to the network.

Voice Search

Use Google voice recognition to perform Google searches using spoken commands.

To perform a voice search, tap 🎤 in the Google search bar or widget. Or say "Ok Google" to launch a Google search (if the hotword detection option is enabled).

► From a Home screen, tap ⊞ **Apps** > ⚙ **Settings** > **My device** tab> **Language and input** > **Voice search**:

   - **Language**: Select languages for Google voice typing.

   - **Speech output**: Select options for spoken feedback.

   - **"Ok Google" Detection**: Tap to launch a Google search whenever you say "Ok Google".

   - **Offline speech recognition**: Download and install speech recognition engines, allowing you to use voice input while not connected to the network.

   - **Block offensive words**: Hide words many people find offensive are in results of Google voice searches. Offensive words are replaced in results with a placeholder (####).

   - **Bluetooth headset**: Use audio input from a Bluetooth headset, if one is connected.

Text-To-Speech Options

Configure your Text-To-Speech (TTS) options. TTS is used for various accessibility features, such as TalkBack. For more information, see Accessibility.

▶ From a Home screen, tap ⣿ **Apps** > ◉ **Settings** > **My device** tab > **Language and input** > **Text-to-speech** for options:

- Choose either the **Samsung** or **Google text-to-speech engine**. Tap ✿ **Settings** next to each TTS engine for options.

- **Speech rate**: Set the speed at which the text is spoken.

- **Listen to an example**: Play a sample of speech synthesis (available if voice data is installed).

- **Default language status**: Display the default language in use.

Mouse/Trackpad Settings

Configure settings for using an optional mouse or trackpad (not included).

1. From a Home screen, tap ⣿ **Apps** > ◉ **Settings** > **My device** tab > **Language and input** > **Pointer speed**.

2. Drag the slider to the right to go faster or to the left to go slower.

3. Tap **OK** to save your setting.

Motions and Gestures

Control certain device actions by touching the screen with the palm of your hand.

1. From a Home screen, tap ⚏ **Apps** > ⚙ **Settings** > **My device** tab > **Motions and gestures**.

2. Tap **ON/OFF** on the top of the screen to enable Motions and gestures.

3. Tap **ON/OFF** to enable or disable each of the following options:

   - **Direct call**: Call the contact whose call log, message, or contact details are currently on the screen by bringing the device close to your ear.

   - **Smart alert**: Set the device to vibrate when you pick it up to notify you about missed calls and messages.

   - **Zoom**: Press and hold the screen at two points, and then tilt the device back and forth to zoom in or out.

   - **Move an icon**: Press and hold an icon, then move the device left or right to position the icon on another page.

   - **Browse an image**: While zoomed in on a picture, press and hold the screen, and then move the device left, right, up, and down to pan across the picture.

   - **Mute/pause**: Mute or pause sounds and video by turning over the device.

Smart Screen

Customize your screen settings to make the screen more responsive and easier to use.

1. From a Home screen, tap ⊞ **Apps** > ⚙ **Settings** > **My device** tab > **Smart screen**:

   - **Smart stay**: Tap to turn the feature on. This feature keeps the screen on for as long as you are looking at it.

   - **Smart rotation**: Tap to turn the feature on. This feature rotates the screen based on the orientation of your face.

Voice Control

Set up voice commands to control your device.

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings** > **My device** tab > **Voice control**.

2. Tap **ON/OFF** to turn the feature on.

   The following options are available. Tap an option to create a check mark and activate the feature.

   - **Incoming calls**: Answer or reject calls using the commands "Answer" and "Reject".

   - **Alarm**: Stop or snooze an alarm by using the commands "Stop" and "Snooze".

   - **Camera**: Take pictures using the voice commands "Capture", "Shoot", "Smile", "Cheese", or "Record video".

   - **Music**: allows you to control your Music player using the voice commands "Next", "Previous", "Pause", "Play", "Volume up", and "Volume down".

   Note: If you set the alert type for calls or alarms to vibration, voice control will not be available.

Accounts

Set up and manage accounts, including your Google Account, Samsung account, email, and social networking accounts.

Depending on the account, you can choose to synchronize your calendar, contacts, and other types of content.

Add an Account

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings** > **Accounts** tab > **Add account**.

2. Tap one of the account types.

3. Follow the prompts to enter your credentials and set up the account.

Synchronize Accounts

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings** > **Accounts** tab > (account type).

2. Tap an account to view the sync settings for that account.

3. Tap individual data items to sync.

4. Tap **Sync now** to sync all checked items.

Account Settings

Each account has its own set of settings. In addition, you can configure common settings for all accounts of the same type.

Note: Account settings and available features vary between account types and service providers. Contact your service provider for more information on your account's settings.

► From a Home screen, tap ▦ **Apps** > ⚙ **Settings** > **Accounts** tab > (account type):

- Tap an account to configure that account's settings.

- Tap **Settings** or other available options to configure common settings for all accounts of this type. Settings vary by account type.

Delete an Account

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings** > **Accounts** tab > **Add account**.

2. Tap the account, and then tap **Remove account**. Follow the prompts to remove the account from your phone.

Backup and Reset

Back up your data to Google servers. You can also reset your device to its factory defaults.

Backup and Restore

Enable backup of your information to Google servers.

► From a Home screen, tap ▦ **Apps** > ⚙ **Settings** > **Accounts** tab > **Backup and reset** for options:

- **Back up my data**: Enable back up of application data, Wi-Fi passwords, and other settings to Google servers.

- **Backup account**: Select a Google account to be used as your backup account.

- **Automatic restore**: Enable automatic restoration of settings from Google servers. When enabled, backed-up settings are restored when you reinstall an application.

Factory Data Reset

Return your device to its factory defaults.

Warning! This action permanently erases ALL data from the device, including Google or other account settings, system and application data and settings, downloaded applications, as well as your music, photos, videos, and other files.

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings** > **Accounts** tab > **Backup and reset** > **Factory data reset**.

2. Tap **Reset device** and follow the prompts to perform the reset.

Location Services

Some apps, such as Google maps, may require one or more location services be turned on for full functionality.

Locating Method

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings** > **More** tab > **Location**.

2. Tap **ON/OFF** to turn on Location services.

3. Tap **Mode** to select how your location is determined:

    • **High accuracy**: Use GPS, Wi-Fi, and mobile networks.

    • **Power saving**: Use Wi-Fi and mobile networks (no GPS).

    • **GPS only**: Use GPS only.

Recent Location Requests

Apps that have requested your location are listed under Recent location requests.

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings** > **More** tab > **Location**.

2. Tap **ON/OFF** to turn on Location services.

3. Tap an entry to view the app's settings.

Location Reporting

Google uses Location Reporting to store and use your device's most recent location data. Google apps, such as Google Maps, can use this data to improve your search results based on places that you have visited.

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings** > **More** tab > **Location**.

2. Tap **ON/OFF** to turn on Location services.

3. Tap **Google Location Reporting** for options:

    • **Location Reporting**: Allow Google apps to use your device's most recent location data.

    • **Location History**: Allow Google to store a history of your location data. Tap **DELETE LOCATION HISTORY** to permanently delete your location history.

My Places

You can save your favorite locations for use with services that require location information. This information can improve your search results and other location-related activities.

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings** > **More** tab > **Location**.

2. Tap **ON/OFF** to turn on Location services.

3. Tap **My places**.

    • Tap a category (Home, Work, or Car) to add a location:

    • Tap ➕ **Add** to add additional categories.

    • Tap ▤ **Menu** > **Delete** to delete a custom category.

Note: Home, Work, and Car cannot be deleted.

Security

Secure your device and protect your data with Security settings.

Encrypt Your Data

Require a numeric PIN or password to decrypt your device each time you power it on or encrypt the data on a memory card (not included) each time it is connected.

► From a Home screen, tap ⠿ **Apps** > ⚙ **Settings** > **More** tab > **Security** for options:

  • Tap **Encrypt device** and follow the prompts to encrypt all data on your device.

  • Tap **Encrypt external SD card** to encrypt data on a memory card (not included).

Set Up or Change Your Factory Data Password

Protect your device from being reset accidentally by requiring a special password before it can be reset to its factory defaults.

► From a Home screen, tap ⠿ **Apps** > ⚙ **Settings** > **More** tab > **Security** > **Set up/change password** and follow the prompts.

Set Up or Change Your SIM Card Lock

Use this option to set up your password when one is first required or change your current password.

► From a Home screen, tap ⠿ **Apps** > ⚙ **Settings** > **More** tab > **Security** > **Set up SIM card lock** and follow the prompts.

View Passwords

Display password characters briefly as you type them.

► From a Home screen, tap ⠿ **Apps** > ⚙ **Settings** > **More** tab > **Security** > **Make passwords visible** to turn the feature on.

Device Administration

Manage your device administrators and application installation privileges.

► From a Home screen, tap ⠿ **Apps** > ⚙ **Settings** > **More** tab > **Security** for options:

  • **Device administrators**: Add or remove device administrators.

  • **Unknown sources**: Enable installation of non-Google Play applications.

  • **Verify apps**: Block or warn before installing apps that may cause harm.

Warning! Enabling installation of third-party applications can cause your device and personal data to be more vulnerable to attacks by unknown sources.

Credential Storage

Manage your security certificates. If a certificate authority (CA) certificate gets compromised or for some other reason you do not trust it, you can disable or remove it.

► From a Home screen, tap ⠿ **Apps** > ⚙ **Settings** > **More** tab > **Security** for options:

- **Storage type**: Select a storage location for credential contents.

- **Trusted credentials**: Display certificates in your device's ROM and other certificates you have installed.

- **Install from device storage**: Install a new certificate from storage.

- **Clear credentials**: Erase the credential contents from the device and reset the password.

Application Manager

You can download and install new applications on your device. Use Application manager settings to manage your downloaded and preloaded applications.

Warning: Because this device can be configured with system software not provided by or supported by Google or any other company, end-users operate these devices at their own risk.

Memory Usage

See how memory is being used by Downloaded or Running applications.

1. From a Home screen, tap ⦂⦂⦂ **Apps** > ⚙ **Settings** > **More** tab > **Application manager**.

2. Swipe across the screen to display DOWNLOADED, SD CARD, RUNNING, or ALL to display memory usage for that category of applications.

    The graph on the DOWNLOADED tab shows used and free device memory. The graph on the RUNNING tab shows used and free RAM.

Downloaded

Displays apps you have downloaded onto your device.

1. From a Home screen, tap ⦂⦂⦂ **Apps** > ⚙ **Settings** > **More** tab > **Application manager**.

2. Tap **DOWNLOADED** to view a list of all the downloaded applications on your device.

    - To switch the order of the DOWNLOADED list, tap ▭ **Menu** > **Sort by size** or **Sort by name**.

    - To reset all of your application preferences, tap ▭ **Menu** > **Reset app preferences**.

    - Tap an application to view and update information about the application, including memory usage, default settings, and permissions. The following options are displayed:

        - **Force stop**: Stop an app that is misbehaving. Restart your device if stopping an app, process, or service causes your device to stop working correctly.

        - **Uninstall/Uninstall updates**: Delete the application from the device or uninstall updates made to apps that cannot be deleted.

        - **Move to SD card**: Move this app to your microSD card.

        - **Clear data**: Clear application data from memory.

        - **Clear cache**: Clear an application's temporary memory storage.

        - **Clear defaults**: Clear an application's customization.

        - **Permissions**: View information about the application's access to your device and data.

SD Card

Displays apps you have downloaded onto your memory card (not included).

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings** > **More** tab > **Application manager**.

2. Tap **SD CARD** to view a list of all the downloaded applications on your SD card.

   - To switch the order of the SD CARD list, tap ▤ **Menu** > **Sort by size** or **Sort by name**.

   - To reset your application preferences, tap ▤ **Menu** > **Reset app preferences**.

Note: When you reset app preferences, you will not lose any app data.

3. Tap an application to view and update information about the application, including memory usage, default settings, and permissions.

Running Services

View and control services running on your device.

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings** > **More** tab > **Application manager**.

2. Tap **RUNNING** to view a list of running services.

   All the applications that are currently running on the device display.

3. Tap **Show cached processes** to display all the cached processes that are running. Tap **Show services in use** to switch back.

4. Tap one of the applications to view application information.

   - **Stop**: Stops the application from running on the device. This is usually done prior to uninstalling the application. (Not all services can be stopped. Stopping services may have undesirable consequences on the application or Android System.)

   - **Report**: Report failure and other application information.

Note: Options vary by application.

Default Applications

If you have multiple applications of the same type, such as email apps, you can select one app to be the default.

You can also use a simpler Home screen which provides an easier user experience for first-time smartphone users.

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings** > **More** tab > **Default Applications**.

2. Tap **Home** and select a Home screen mode:

   • **TouchWiz easy home**: Provides an easier user experience for the first-time smartphone users.

   • **TouchWiz home**: The Home screen that originally displays on your phone.

3. Tap **Messages** and select a default messaging app.

4. To clear defaults you have set up, tap **Clear**.

Battery

View how battery power is used for device activities.

► From a Home screen, tap ▦ **Apps** > ⚙ **Settings** > **More** tab > **Battery** for options:

- **Show battery percentage**: Display the battery charge percentage next to the battery icon on the Status bar.

- **Battery Chart**: The battery level displays as a percentage. The amount of time the battery has been used also displays.

- **Apps and OS Usage**: Battery usage displays in percentages per application.

  - Tap **Screen**, **Android System**, **Android OS**, or an app to view they are affecting battery use.

- Tap ↻ **Refresh** to update the listing.

Note: Other applications may be running that affect battery use.

Storage

View the device memory and usage, or mount, unmount, or format an optional memory card (not included).

Device Memory

View and manage the memory used by the device.

▶ From a Home screen, tap ▦ **Apps** > ⚙ **Settings** > **More** tab > **Storage**.

- The DEVICE MEMORY displays Total space and Available space.

- The amounts of memory used by Applications, Pictures and videos, Audio, Downloads, Cached data, and Miscellaneous files are also displayed.

To increase available memory:

1. Tap **Cached data** to clear all cached data for all apps.

2. Tap **Miscellaneous files**, select unnecessary files (or tap **Select all**), and then tap 🗑 **Delete**.

Memory Card (SD Card)

Once an optional memory card (not included) has been installed in your device, the card memory displays as Total space and Available space.

Install a Memory Card

You can use an optional microSD or microSDHC card (not included) to add additional memory space to your device.
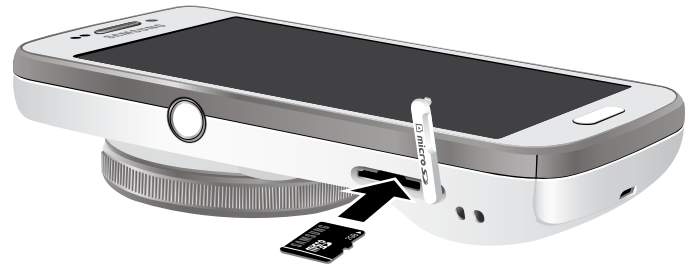
1. On the left side of your phone (bottom of the camera side), pull out the microSD memory card cover and rotate it to expose the card slot.

2. Push the microSD card into the slot until it clicks (as shown). Make sure the microSD's gold contact pins face downward and the card is securely inserted.

Mount a Memory Card

When you install an optional memory card, it is automatically mounted (connected to the device) and prepared for use. However, should you unmount the card without removing it from the device, you will need to mount it before it can be accessed.

► From a Home screen, tap ▦ **Apps** > ◉ **Settings** > **More** tab > **Storage** > **Mount SD card**.

Unmount an SD Card

To prevent damage to information stored on the memory card, always unmount the card before removing it from the device.

Unmounting an SD card may stop some applications from functioning until you mount the SD card again.

► From a Home screen, tap ▦ **Apps** > ◉ **Settings** > **More** tab > **Storage** > **Unmount SD card**.

Remove a Memory Card

Warning! To prevent damage to information stored on the memory card, unmount the card before removing it from the device.

1. Open the memory card slot cover.

2. Push on the memory card until it clicks and is released.

3. Grasp the memory card and remove it from the phone.

Formatting an SD Card

Warning! When formatting an SD card, you should backup your music and photo files that are stored on the card because formatting the SD card deletes all the stored data.

► From a Home screen, tap ▦ **Apps** > ◉ **Settings** > **More** tab > **Storage** > **Format SD card** and follow the prompts.

Date and Time Settings

By default, your device receives date and time information from the wireless network.

When you are outside network coverage, you may want to set date and time information manually using the date and time settings.

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings** > **More** tab > **Date and time**.

2. Set the date, time, time zone, time format, and date format.

About Your Device

View information about your device, including status, legal information, hardware and software versions, and a tutorial.

▶ From a Home screen, tap ▦ **Apps** > ⚙ **Settings** > **More** tab > **About device**, and then tap items for more details:

- **Software update**: Check for and install available software updates.

- **Status**: View the status of the battery, network, and other information about your device.

- **Legal information**: View your device's open source licenses and Google legal information.

- **Device name**: View and change your device's name.

- Additional device information includes the Model number, Android version, Build number, and more.

Software Update

Use Software update to update your device's software.

1. From a Home screen, tap ▦ **Apps** > ⚙ **Settings** > **More** tab > **About device** > **Software update**.

2. Follow the prompts to check for available software updates to download and install.